

FIGURE 1: PROJECT LOCATION MAP





FIGURE 2: RECEIVING WATER AND DRAINAGE

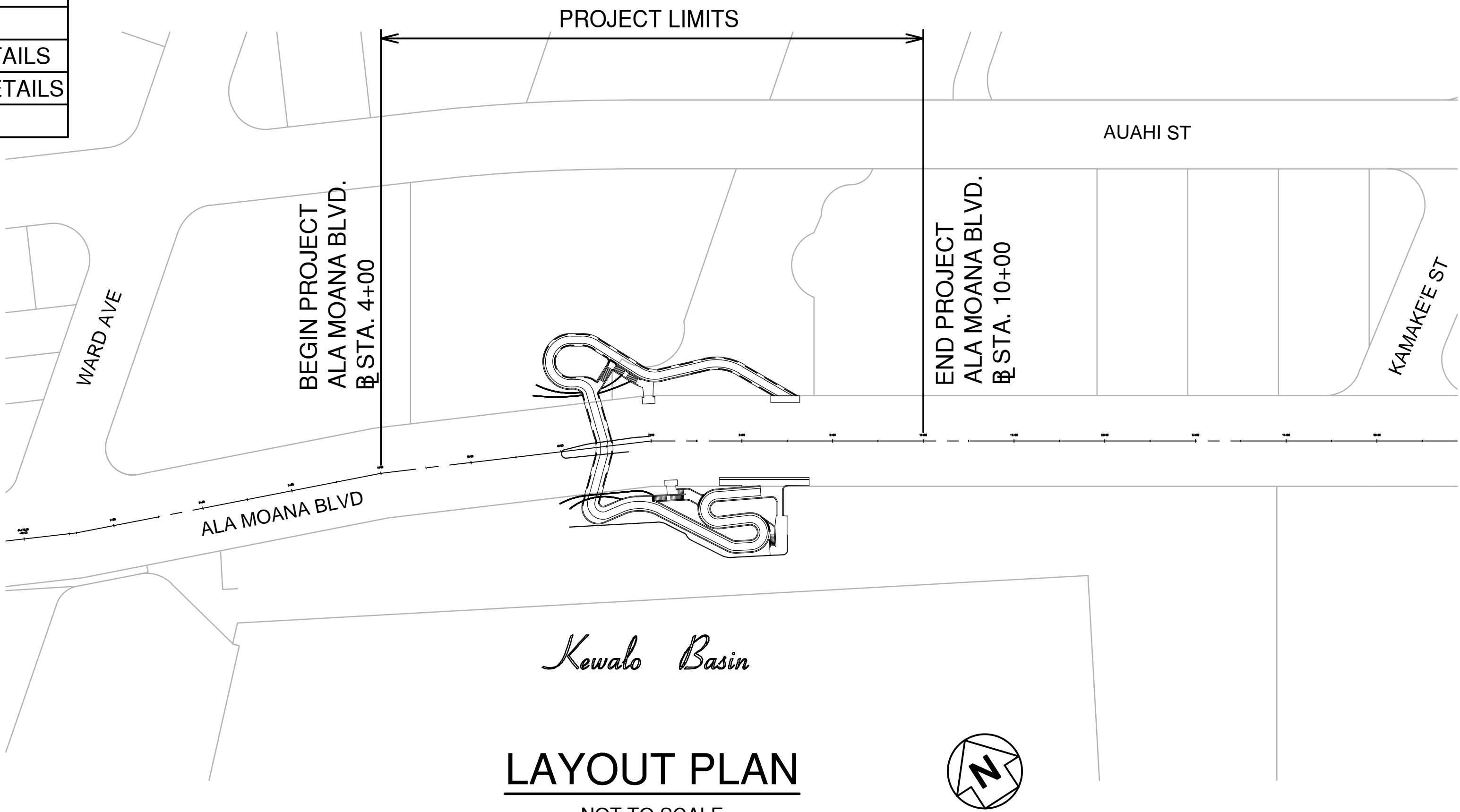


FIGURE 3: FLOOD ZONES

INDEX OF DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLAN SUMMARY
3	GENERAL LAYOUT PLAN
4 - 7	GENERAL NOTES, LEGEND AND ABBREVIATIONS
8 - 11	UTILITY NOTES
12 - 13	EASEMENT AND CONSTRUCTION PARCEL MAPS
14 - 18	WATER POLLUTION AND EROSION CONTROL NOTES & DETAILS
19 - 22	EROSION CONTROL PLANS
23 - 25	DEMOLITION PLANS
26 - 27	TYPICAL SECTIONS
28 - 34	ALIGNMENT PLANS
35 - 38	WALL ALIGNMENT PLANS
39 - 47	ROADWAY PLANS
48 - 50	ROADWAY CONSTRUCTION DETAILS
51 - 57	SPOT ELEVATION PLANS
58	CONSTRUCTION GRADING PLAN
59 - 61	DRAINAGE AND GRADING PLANS
62	DRAINAGE PROFILE & DETAILS
63 - 65	SIGNING AND PAVEMENT MARKINGS NOTES, PLANS AND DETAILS
66 - 75	TRAFFIC CONTROL NOTES AND PLANS
76 - 108	ELECTRICAL PLANS
109 - 112	WALKWAY AND HANDRAIL DETAILS
113 - 238	STRUCTURAL PLANS
239 - 261	BORING LOG NOTES, PLANS AND DETAILS
262 - 282	LANDSCAPING NOTES, PLANS AND DETAILS
283 - 288	CROSS SECTIONS

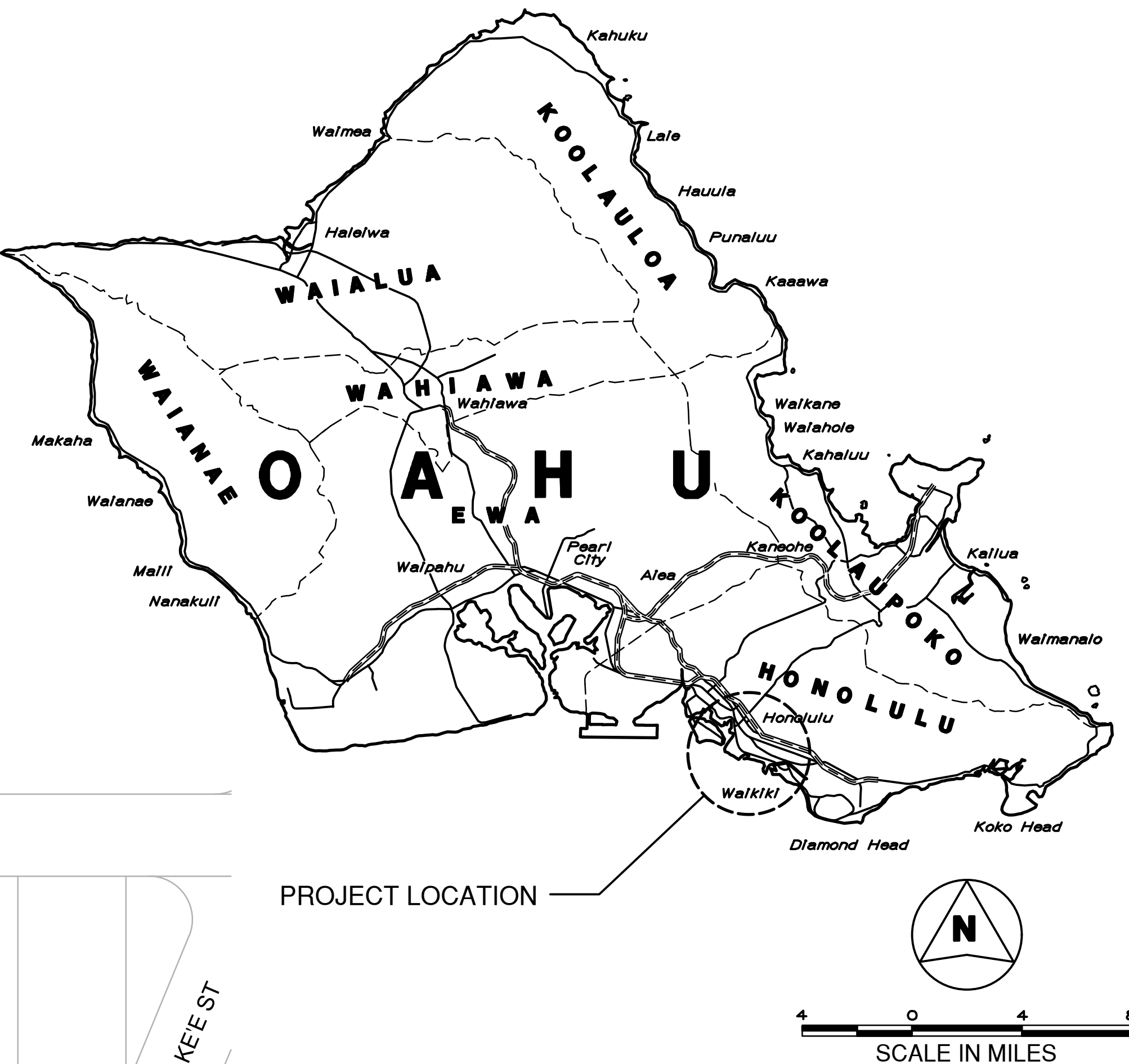
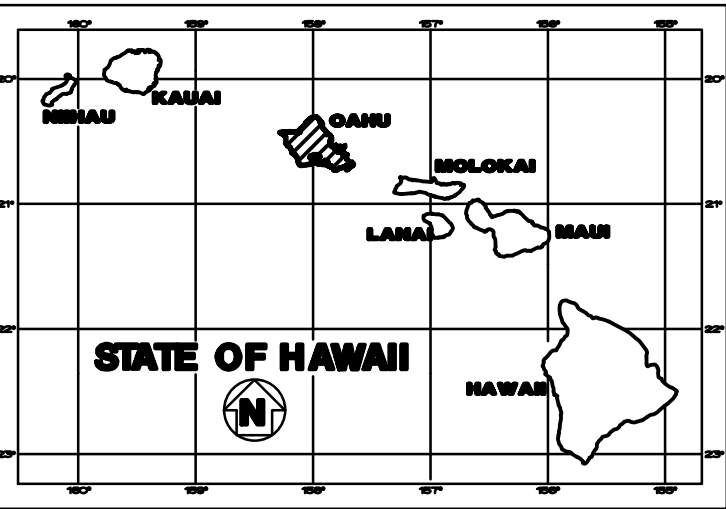
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
HONOLULU, HAWAII  
  
PREFINAL PLANS  
ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
FEDERAL-AID PROJECT NO. BLD-092-1(029)

DISTRICT OF HONOLULU  
ISLAND OF OAHU



LAYOUT PLAN  
NOT TO SCALE  
GROSS LENGTH OF PROJECT 0.11 MILES  
NET LENGTH OF PROJECT 0.11 MILES

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	1	288



PROJECT LOCATION

FEDERAL AID INTERSTATE PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

MILE POST 7.49 TO MILE POST 7.60

DESIGN DESIGNATION

FUTURE ADT (2040)	.67,000
DESIGN ADT (2020)	63,300
DHV	5,360
D	.55/45
T	8.0
T24	9.0
V	35 mph

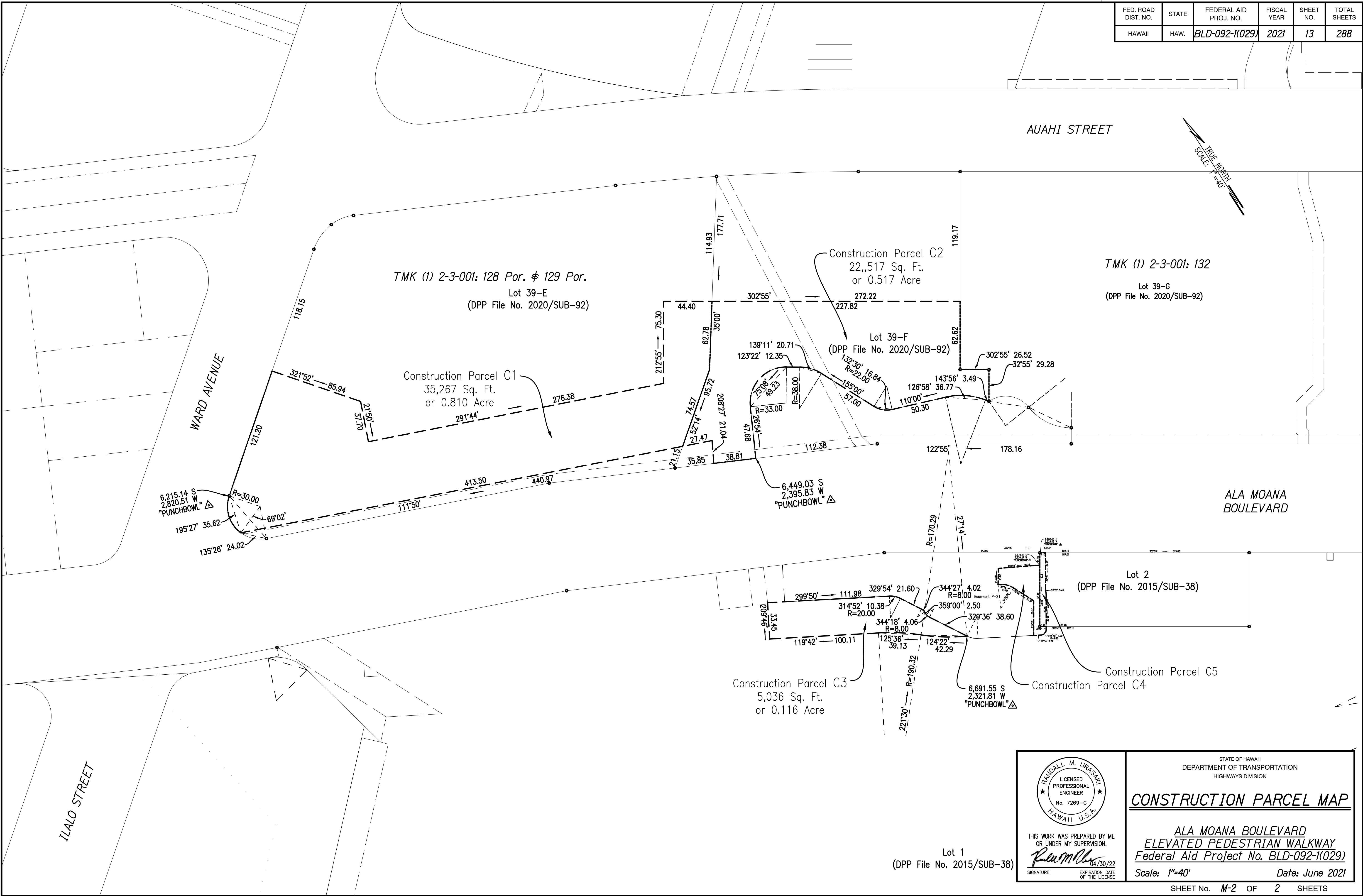
DEPARTMENT OF TRANSPORTATION STATE OF HAWAII
APPROVED
DIR. OF TRANSPORTATION DATE

WSP USA INC. DESIGNED BY  
692-7548 PHONE  
JUNE 2021 DATE  
MANAGED BY





FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	13	288



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE MODIFIED BY	DRAWN BY	
DESIGNED BY		
CHECKED BY		
N.		

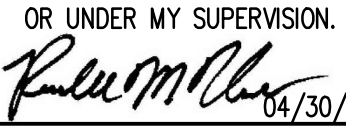
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**CONSTRUCTION PARCEL MAP**

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=40'      Date: June 2021

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

  
SIGNATURE

EXPIRATION DATE  
OF THE LICENSE

RANDALL M. URASAK  
LICENSED  
PROFESSIONAL  
ENGINEER  
No. 7269-C  
HAWAII U.S.A.

04/30/22

Lot 1  
(DPP File No. 2015/SUB-38)

SHEET No. M-2 OF 2 SHEETS

13





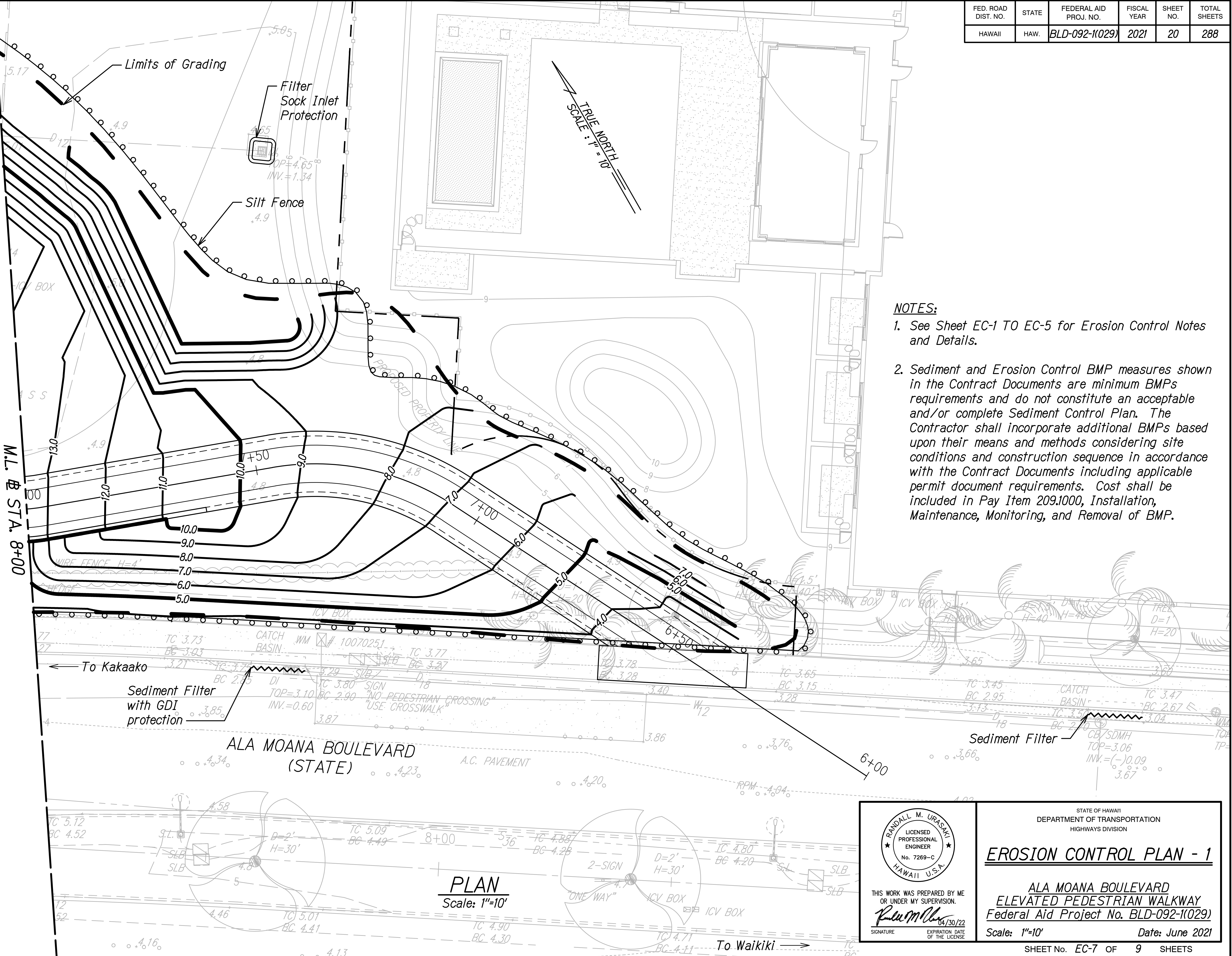


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	20	288

**NOTES:**

1. See Sheet EC-1 TO EC-5 for Erosion Control Notes and Details.
2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.1000, Installation, Maintenance, Monitoring, and Removal of BMP.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY	DRAWN BY	
NOTED BY	CHECKED BY	
QUANTITIES BY		
CHECKED BY		



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**EROSION CONTROL PLAN - 1**

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021

SHEET No. EC-7 OF 9 SHEETS

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Randall M. Urasaki*

SIGNATURE      EXPIRATION DATE OF THE LICENSE

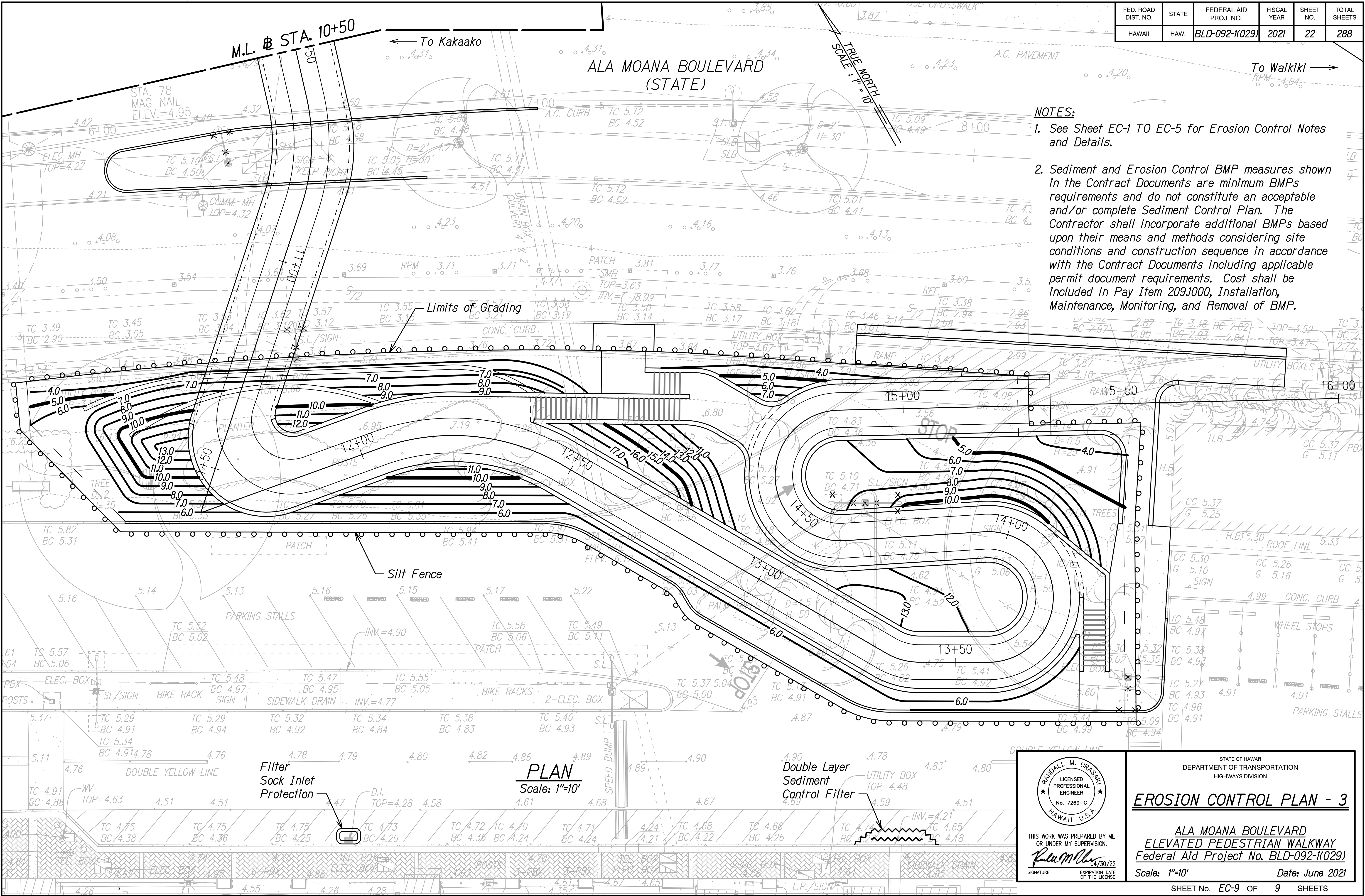
04/30/22







FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	22	288



- NOTES:**
1. See Sheet EC-1 TO EC-5 for Erosion Control Notes and Details.
  2. Sediment and Erosion Control BMP measures shown in the Contract Documents are minimum BMPs requirements and do not constitute an acceptable and/or complete Sediment Control Plan. The Contractor shall incorporate additional BMPs based upon their means and methods considering site conditions and construction sequence in accordance with the Contract Documents including applicable permit document requirements. Cost shall be included in Pay Item 209.1000, Installation, Maintenance, Monitoring, and Removal of BMP.

DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DRAWN BY	_____
NOTE REVISIONS BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
N.	_____

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

EROSION CONTROL PLAN - 3

ALA MOANA BOULEVARD

ELEVATED PEDESTRIAN WALKWAY

Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'

Date: June 2021

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

RANDALL M. URASAKI

LICENSED PROFESSIONAL ENGINEER

No. 7269-C

HAWAII, U.S.A.

Signature

04/30/22

EXPIRATION DATE OF THE LICENSE

SHEET No. EC-9 OF 9 SHEETS

22

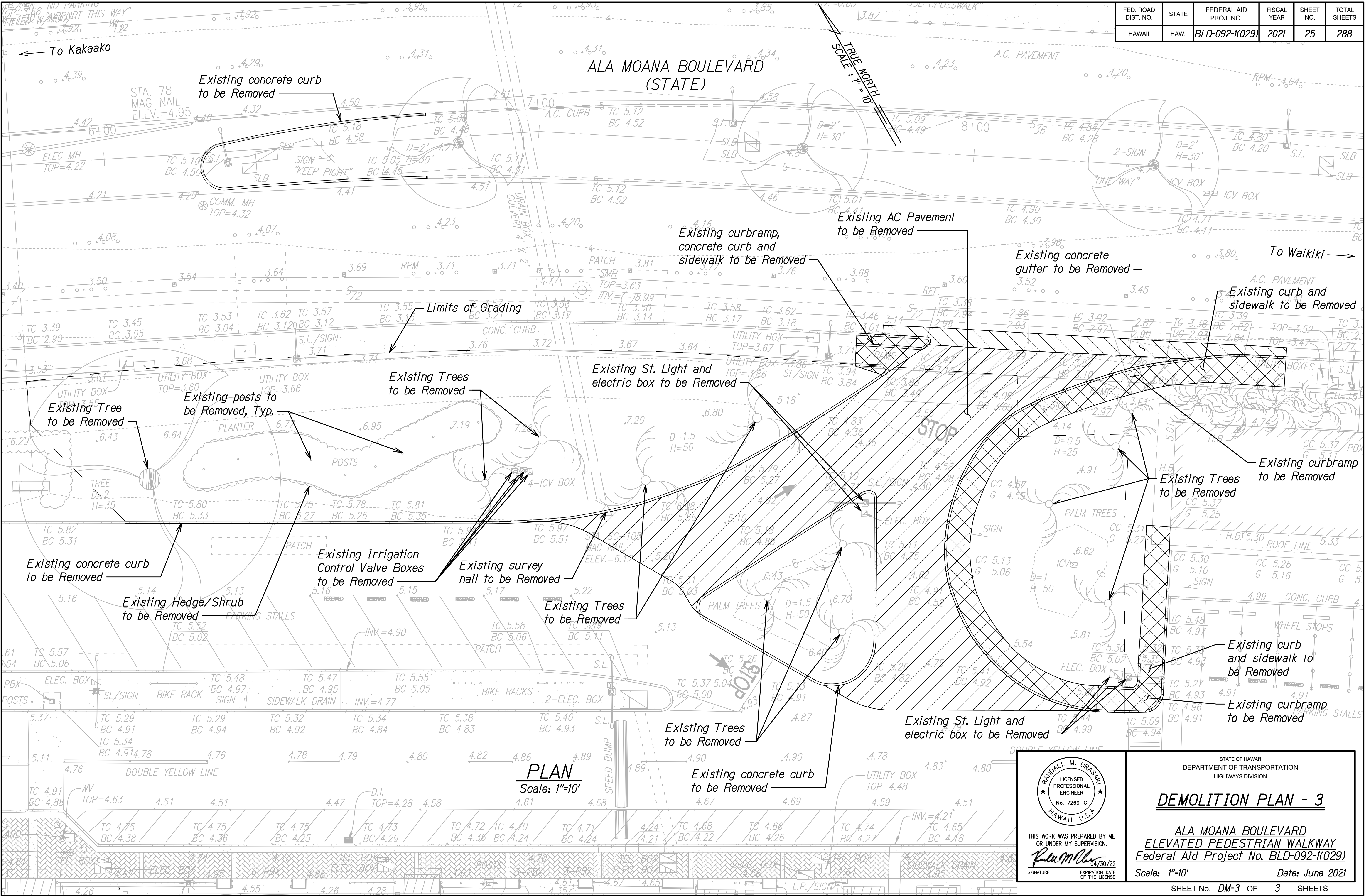








FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	25	288



DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTE MODIFIED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
N.	_____

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DEMOLITION PLAN - 3

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021

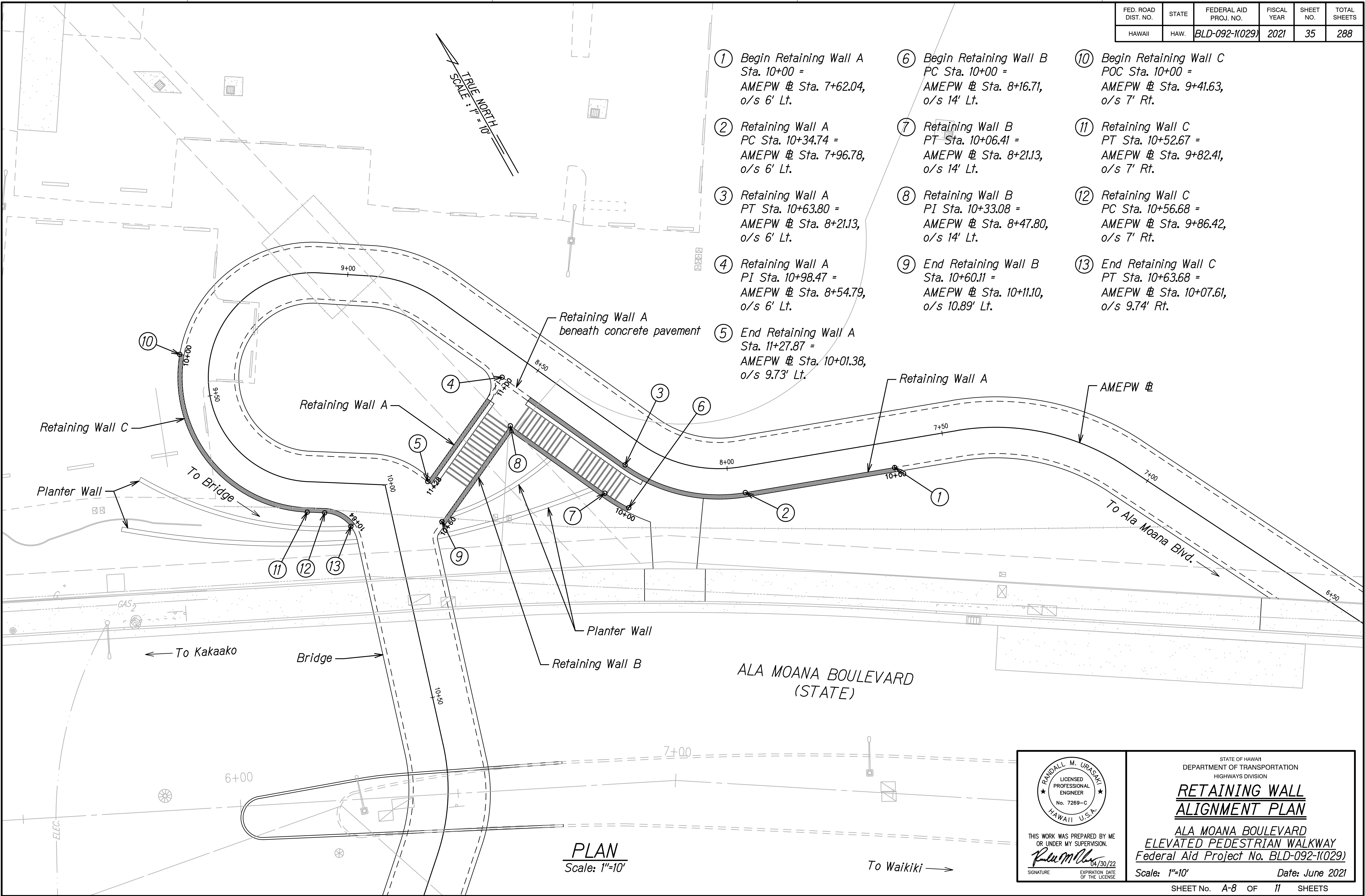
SHEET No. DM-3 OF 3 SHEETS

RANDALL M. URASAKI  
LICENSED PROFESSIONAL ENGINEER  
No. 7269-C  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.  
*Randall M. Urasaki*  
SIGNATURE      04/30/22  
EXPIRATION DATE OF THE LICENSE

25

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	35	288



DATE	____
SURVEY PLOTTED BY	____
ORIGINAL PLAN	____
DRAWN BY	____
NOTE MODIFIED BY	____
DESIGNED BY	____
CHECKED BY	____
No.	____

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*R. M. Urasaki*  
SIGNATURE

04/30/22  
EXPIRATION DATE  
OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**RETAINING WALL  
ALIGNMENT PLAN**

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	36	288

- ① Begin Retaining Wall D  
PC Sta. 10+00 =  
AMEPW @ Sta. 11+35.29,  
o/s 8.69' Lt.

② Retaining Wall D  
PT Sta. 10+08.51 =  
AMEPW @ Sta. 11+88.12,  
o/s 9' Lt.

③ Retaining Wall D  
PC Sta. 10+24.55 =  
AMEPW @ Sta. 12+04.17,  
o/s 9' Lt.

④ Retaining Wall D  
PT Sta. 10+45.62 =  
AMEPW @ Sta. 12+22.02,  
o/s 9' Lt.

⑤ Retaining Wall D  
PI Sta. 10+62.78 =  
AMEPW @ Sta. 12+36.18,  
o/s 11.45' Lt.

⑥ Retaining Wall D  
PC Sta. 10+68.48 =  
AMEPW @ Sta. 12+37.60,  
o/s 6' Lt.

⑦ Retaining Wall D  
PT Sta. 10+79.92 =  
AMEPW @ Sta. 12+47.81,  
o/s 6' Lt.

⑧ Retaining Wall D  
PC Sta. 11+65.95 =  
AMEPW @ Sta. 13+33.85,  
o/s 6' Lt.

⑨ Retaining Wall D  
PT Sta. 11+70.67 =  
AMEPW @ Sta. 13+41.71,  
o/s 6' Lt.

⑩ Retaining Wall D  
PC Sta. 11+86.40 =  
AMEPW @ Sta. 13+57.44,  
o/s 6' Lt.

⑪ Retaining Wall D  
PT Sta. 12+15.28 =  
AMEPW @ Sta. 14+05.56,  
o/s 6' Lt.

⑫ Retaining Wall D  
PC Sta. 12+47.26 =  
AMEPW @ Sta. 14+37.54,  
o/s 6' Lt.

⑬ Retaining Wall D  
PT Sta. 13+14.08 =  
AMEPW @ Sta. 14+85.27,  
o/s 6' Lt.

⑭ End Retaining Wall D  
Sta. 13+62.61 =  
AMEPW @ Sta. 15+33.80,  
o/s 6' Lt.

⑮ Begin Retaining Wall E  
PC Sta. 10+00 =  
AMEPW @ Sta. 11+41.96,  
o/s 8.85' Rt.

⑯ Retaining Wall E  
PT Sta. 10+37.93 =  
AMEPW @ Sta. 11+80.70,  
o/s 7' Rt.

⑰ Retaining Wall E  
PC Sta. 10+61.40 =  
AMEPW @ Sta. 12+04.17,  
o/s 7' Rt.

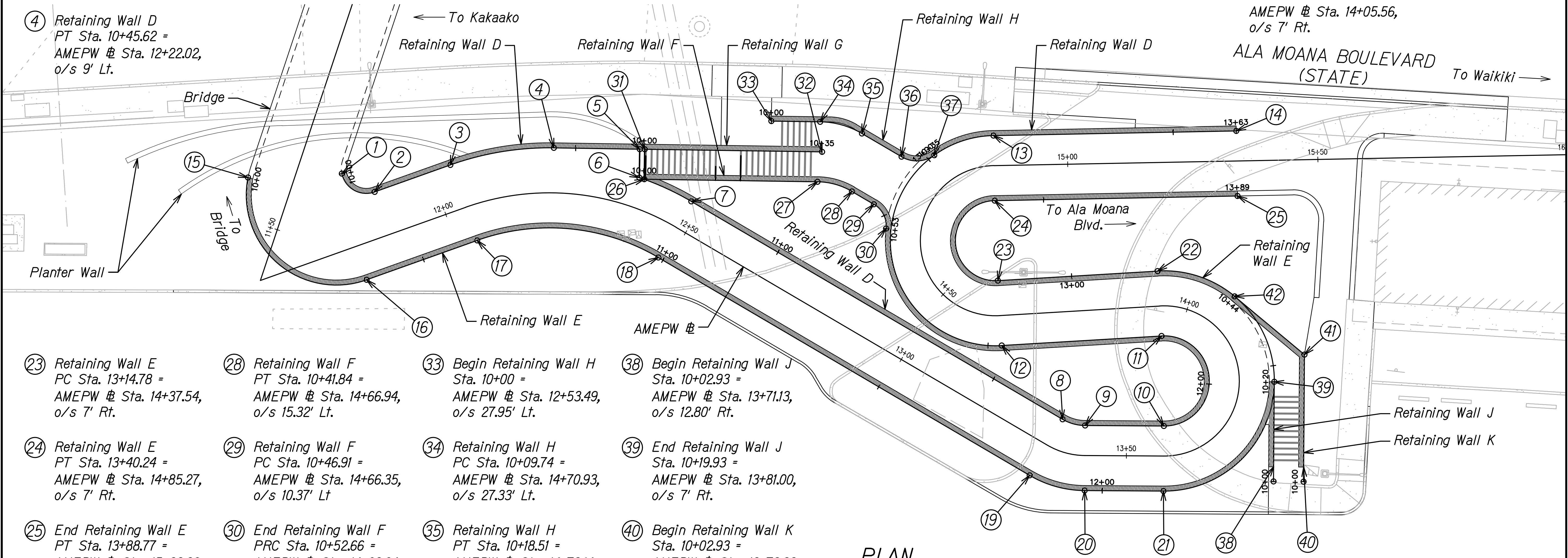
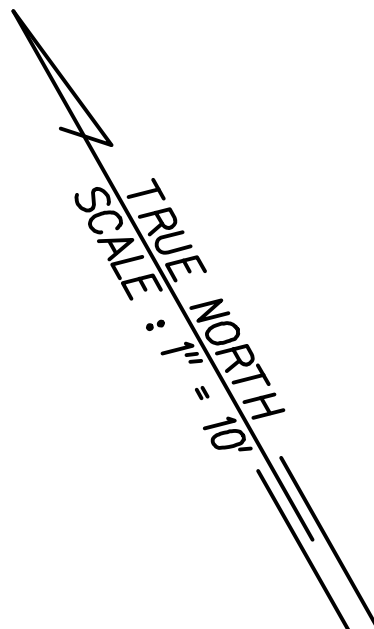
⑱ Retaining Wall E  
PT Sta. 10+98.93 =  
AMEPW @ Sta. 12+47.81,  
o/s 7' Rt.

⑲ Retaining Wall E  
PC Sta. 11+84.97 =  
AMEPW @ Sta. 13+33.85,  
o/s 7' Rt.

⑳ Retaining Wall E  
PT Sta. 11+96.49 =  
AMEPW @ Sta. 13+41.71,  
o/s 7' Rt.

㉑ Retaining Wall E  
PC Sta. 12+12.23 =  
AMEPW @ Sta. 13+57.44,  
o/s 7' Rt.

㉒ Retaining Wall E  
PT Sta. 12+82.80 =  
AMEPW @ Sta. 14+05.56,  
o/s 7' Rt.



**PLAN**  
Scale: 1"=10'

- ㉓ Retaining Wall E  
PC Sta. 13+14.78 =  
AMEPW @ Sta. 14+37.54,  
o/s 7' Rt.

㉔ Retaining Wall E  
PT Sta. 13+40.24 =  
AMEPW @ Sta. 14+85.27,  
o/s 7' Rt.

㉕ End Retaining Wall E  
PT Sta. 13+88.77 =  
AMEPW @ Sta. 15+33.80,  
o/s 7' Rt.

㉖ Begin Retaining Wall F  
Sta. 10+00 =  
AMEPW @ Sta. 12+38.53,  
o/s 6.03' Lt.

㉗ Retaining Wall F  
PC Sta. 10+34.62 =  
AMEPW @ Sta. 12.67+59,  
o/s 22.14' Lt.

㉘ Retaining Wall F  
PT Sta. 10+41.84 =  
AMEPW @ Sta. 14+66.94,  
o/s 15.32' Lt.

㉙ Retaining Wall F  
PC Sta. 10+46.91 =  
AMEPW @ Sta. 14+66.35,  
o/s 10.37' Lt.

㉚ End Retaining Wall F  
PRC Sta. 10+52.66 =  
AMEPW @ Sta. 14+63.64,  
o/s 7' Lt.

㉛ Begin Retaining Wall G  
Sta. 10+00 =  
AMEPW @ Sta. 12+36.96,  
o/s 11.73' Lt.

㉜ End Retaining Wall G  
Sta. 10+35.43 =  
AMEPW @ Sta. 14+69.09,  
o/s 23.93' Lt.

㉝ Begin Retaining Wall H  
Sta. 10+00 =  
AMEPW @ Sta. 12+53.49,  
o/s 27.95' Lt.

㉞ Retaining Wall H  
PC Sta. 10+09.74 =  
AMEPW @ Sta. 14+70.93,  
o/s 27.33' Lt.

㉟ Retaining Wall H  
PT Sta. 10+18.51 =  
AMEPW @ Sta. 14+72.14,  
o/s 19.21' Lt.

㊱ Retaining Wall H  
PC Sta. 10+27.69 =  
AMEPW @ Sta. 14+72.93,  
o/s 10.17' Lt.

㊲ End Retaining Wall H  
PRC Sta. 10+34.60 =  
AMEPW @ Sta. 14+76.23,  
o/s 6' Lt.

㊳ Begin Retaining Wall J  
Sta. 10+02.93 =  
AMEPW @ Sta. 13+71.13,  
o/s 12.80' Rt.

㊴ End Retaining Wall J  
Sta. 10+19.93 =  
AMEPW @ Sta. 13+81.00,  
o/s 7' Rt.

㊵ Begin Retaining Wall K  
Sta. 10+02.93 =  
AMEPW @ Sta. 13+72.82,  
o/s 17.76' Rt.

㊶ Retaining Wall K  
PI Sta. 10+25.40 =  
AMEPW @ Sta. 13+83.90,  
o/s 13.53' Rt.

㊷ End Retaining Wall K  
Sta. 10+43.56 =  
AMEPW @ Sta. 13+94.25,  
o/s 7' Rt.

DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.  
*R. M. Urasaki*  
SIGNATURE  
EXPIRATION DATE OF THE LICENSE: 04/30/22

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**RETAINING WALL  
ALIGNMENT PLAN**

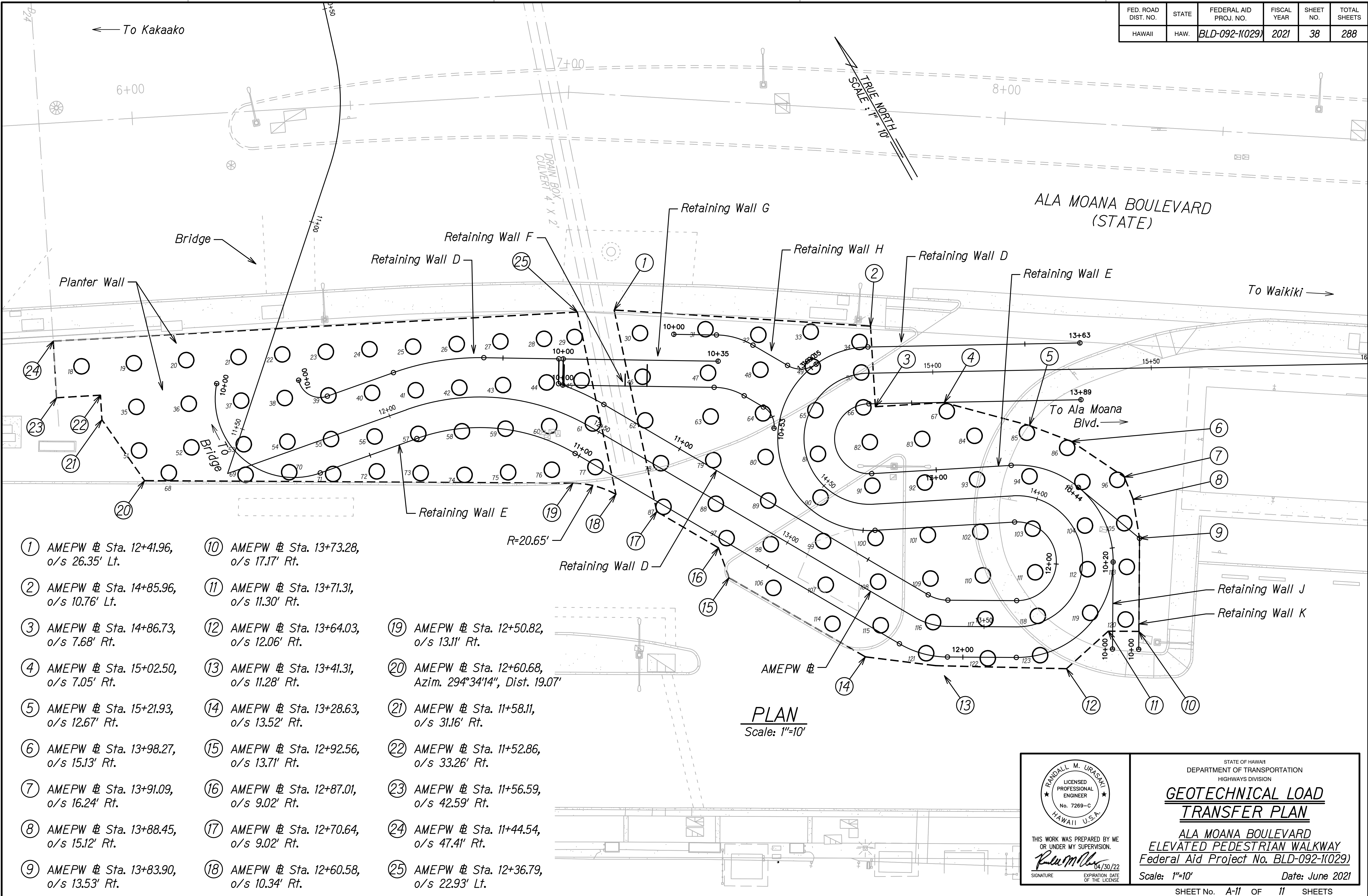
ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021





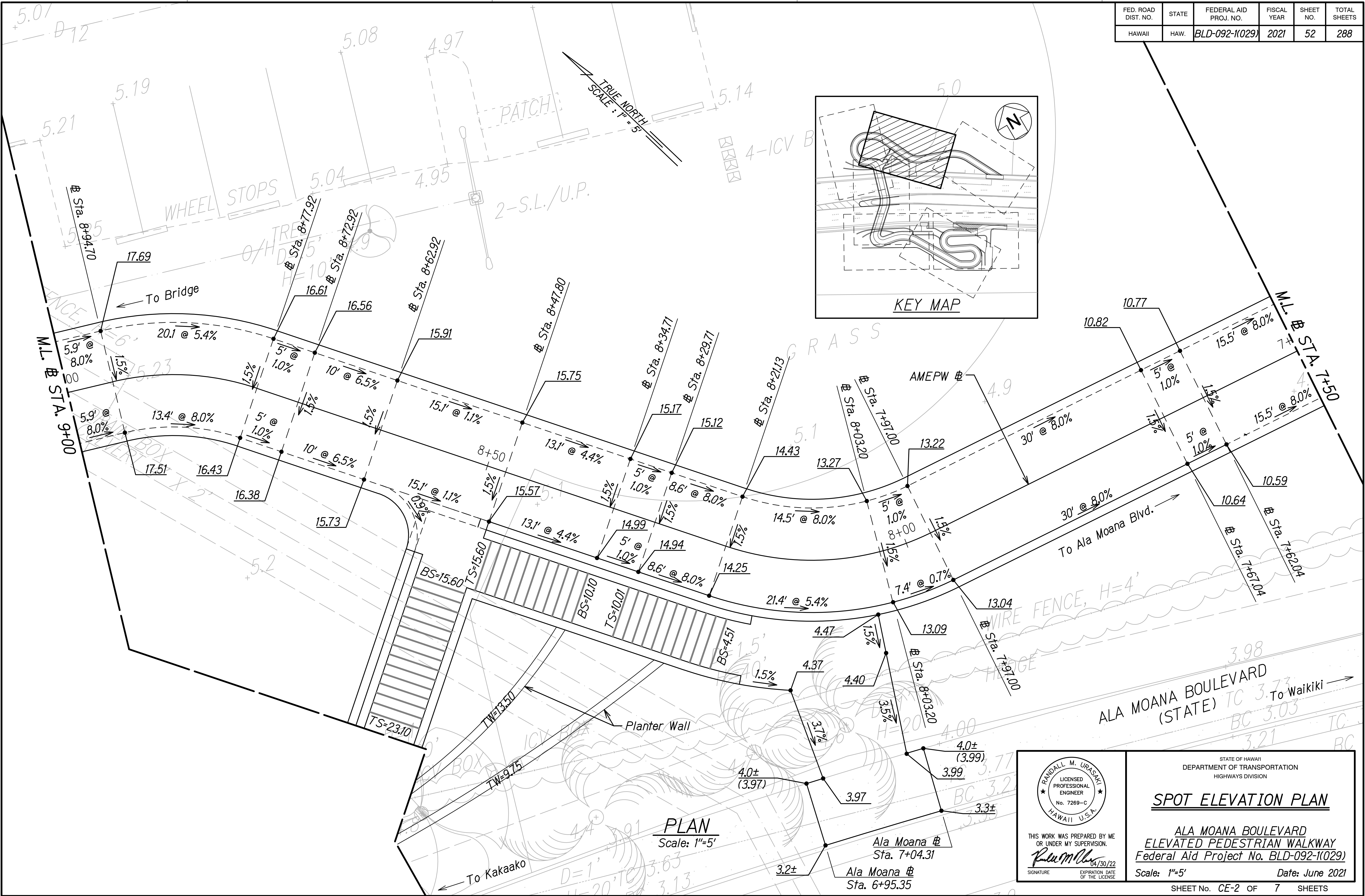
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	38	288





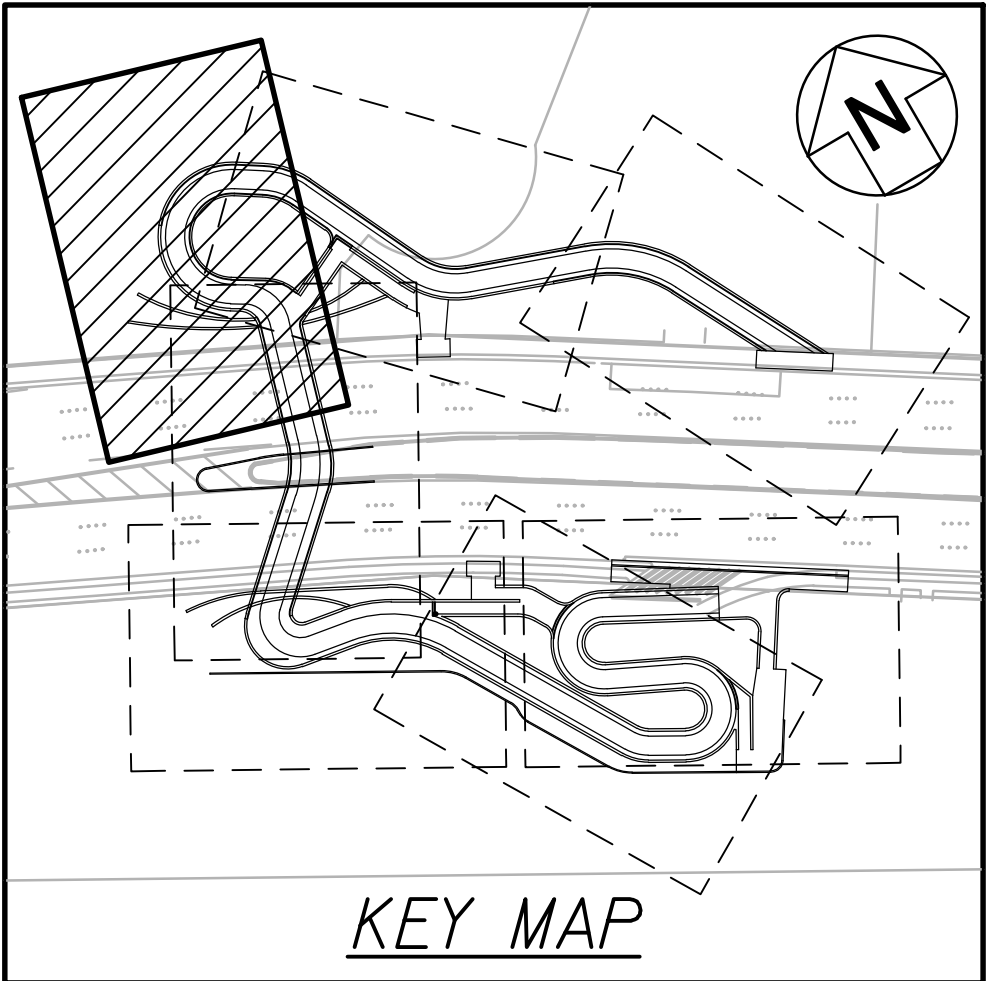
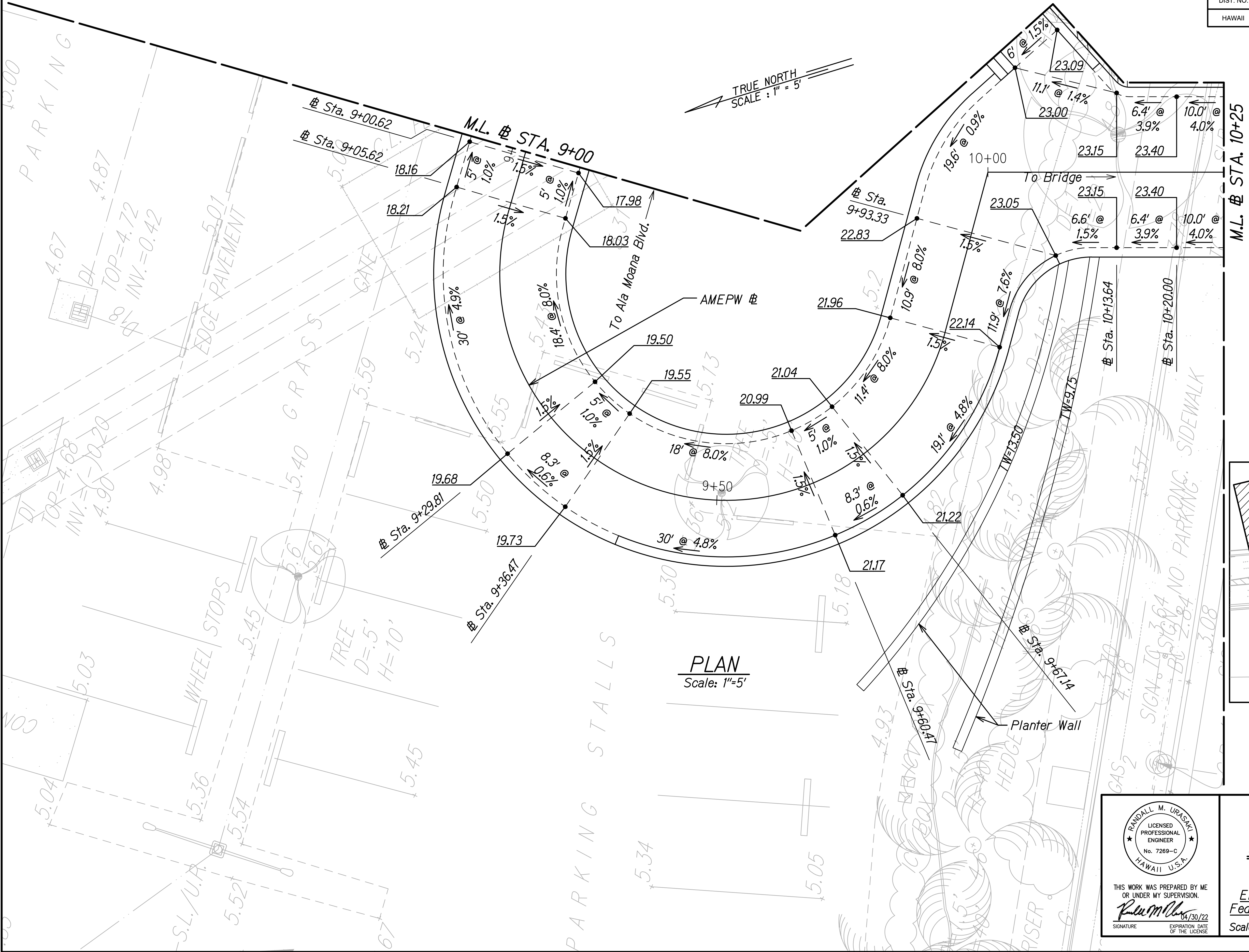


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	52	288





FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	53	288



RANDALL M. URASAKI

LICENSED PROFESSIONAL ENGINEER

No. 7269-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*R. M. Urasaki*

SIGNATURE

04/30/22

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

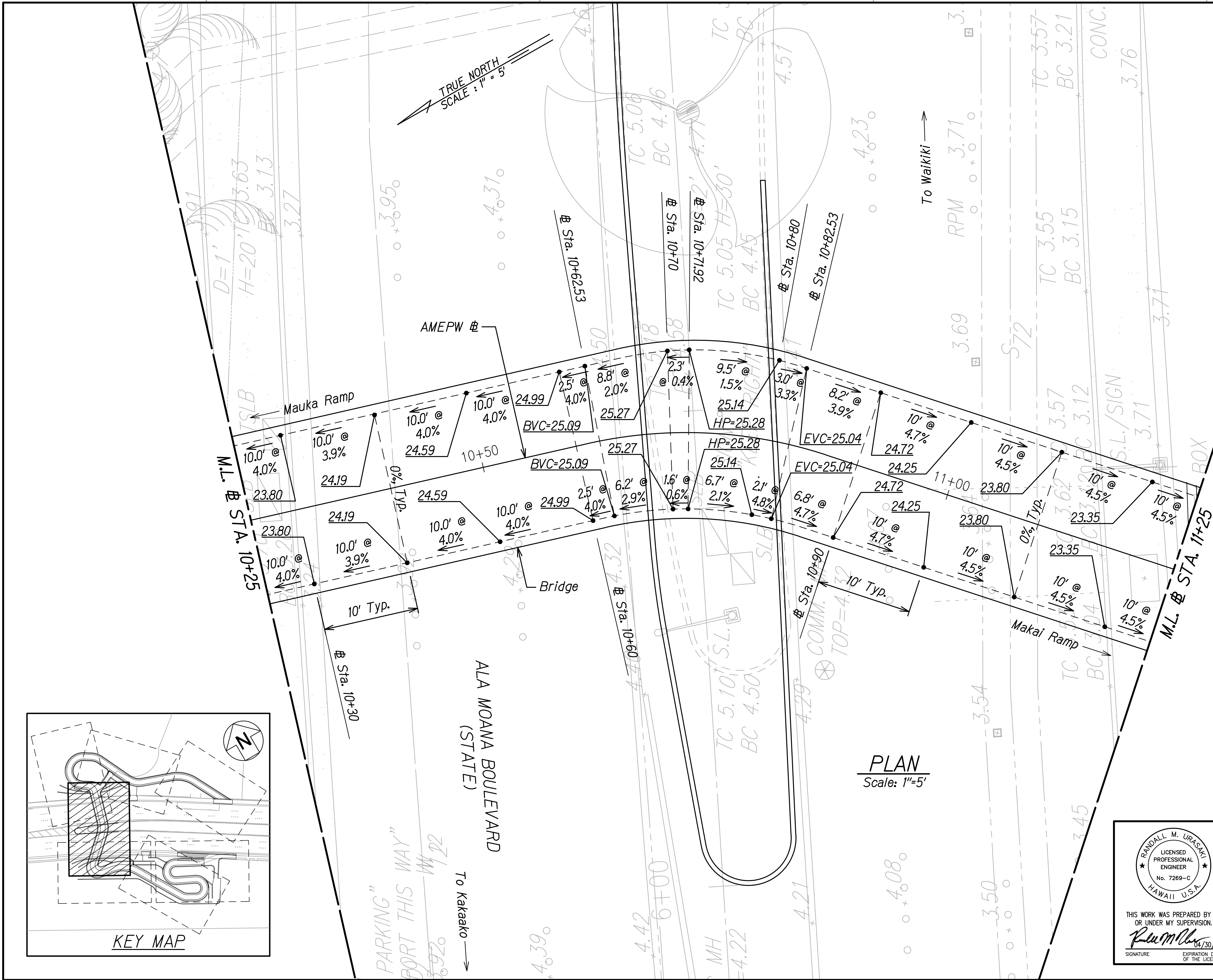
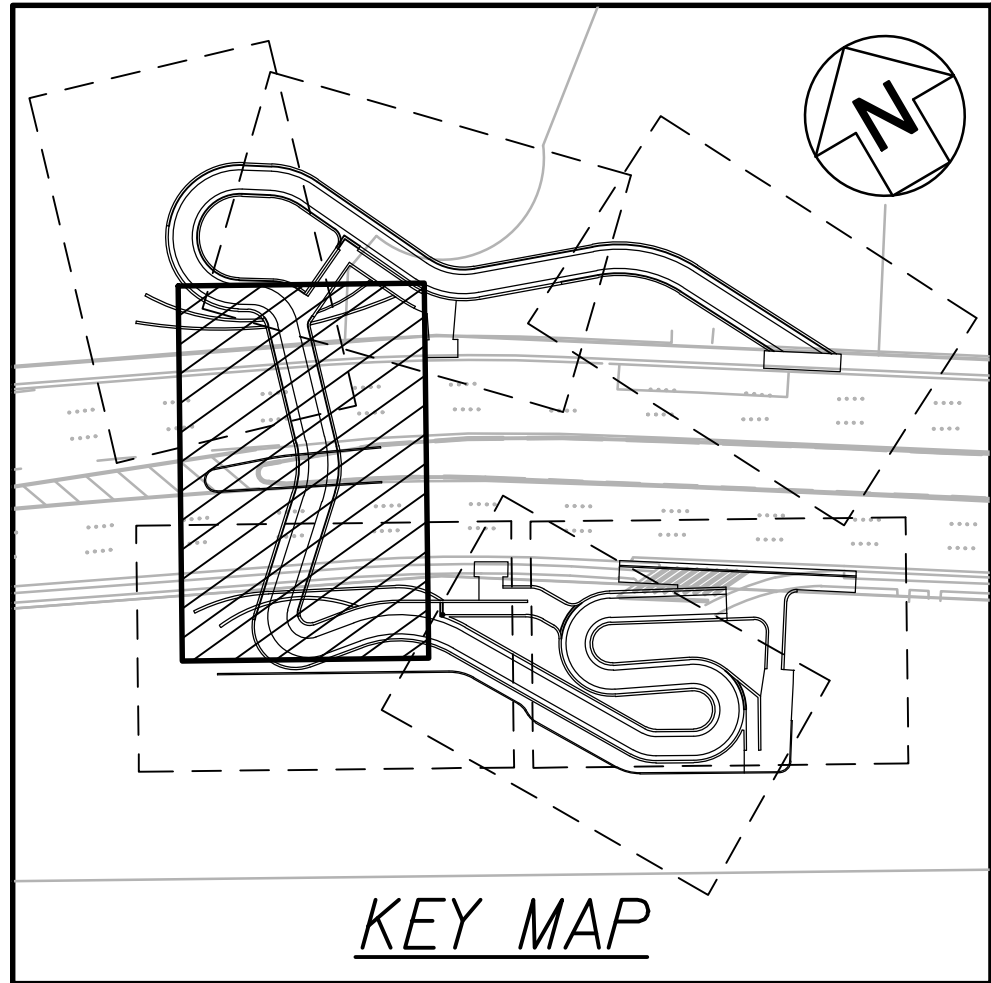
**SPOT ELEVATION PLAN**

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=5'      Date: June 2021

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	54	288

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY	DRAWN BY	
CHECKED BY	NOTED BY	
	QUANTITIES BY	



PLAN  
Scale: 1"=5'

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
*R. M. Urasaky*  
SIGNATURE EXPIRATION DATE OF THE LICENSE 04/30/22

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SPOT ELEVATION PLAN**

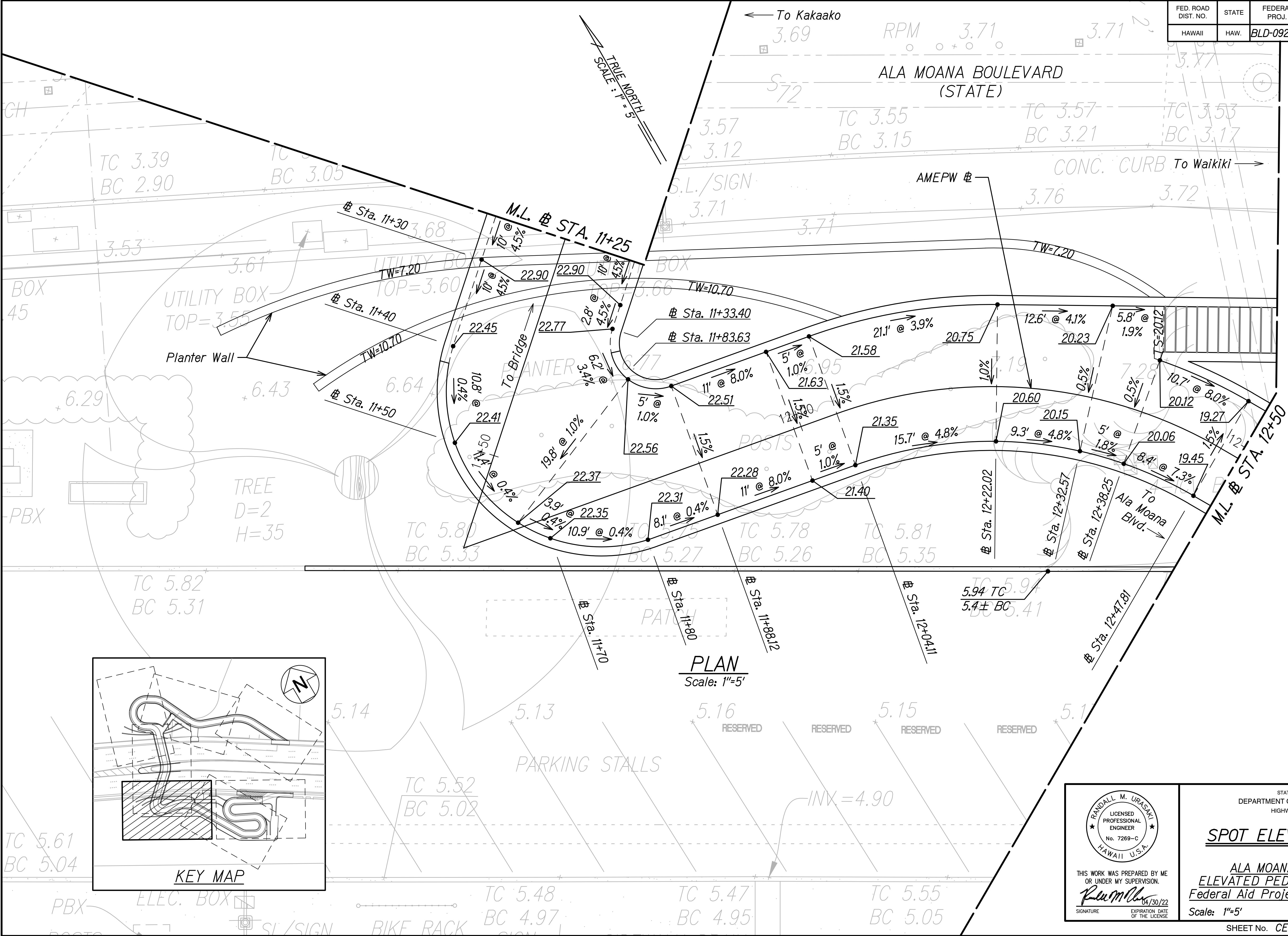
**ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY**  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=5' Date: June 2021

SHEET No. CE-4 OF 7 SHEETS



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	55	288



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE REVISIONS	DRAWN BY	
DESIGNED BY		
CHECKED BY		

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Randall M. Urasak*

SIGNATURE

EXPIRATION DATE OF THE LICENSE: 04/30/22

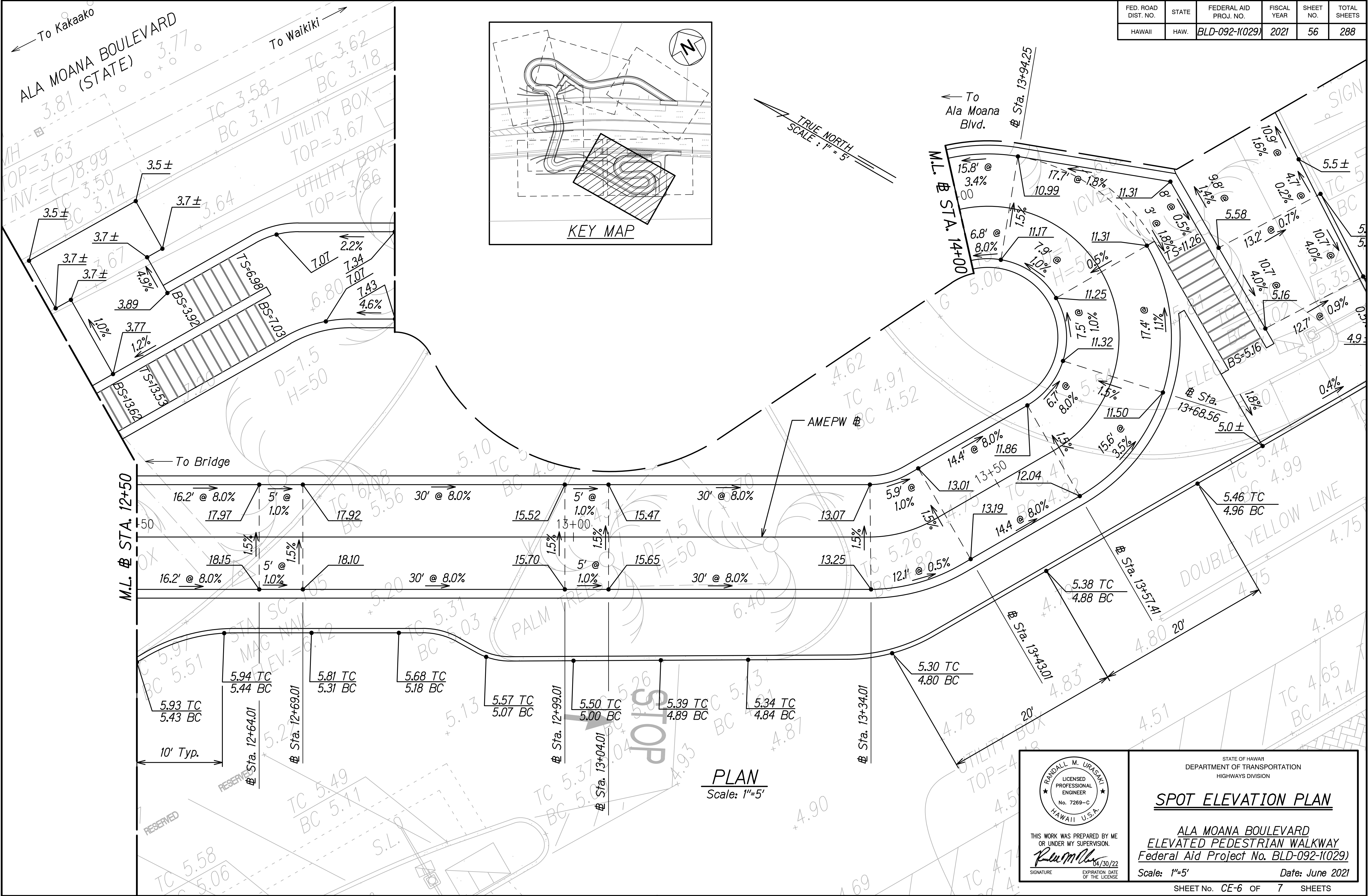
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SPOT ELEVATION PLAN**

**ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY**  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=5'      Date: June 2021

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	56	288



DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Randall M. Urasaki*

SIGNATURE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SPOT ELEVATION PLAN**

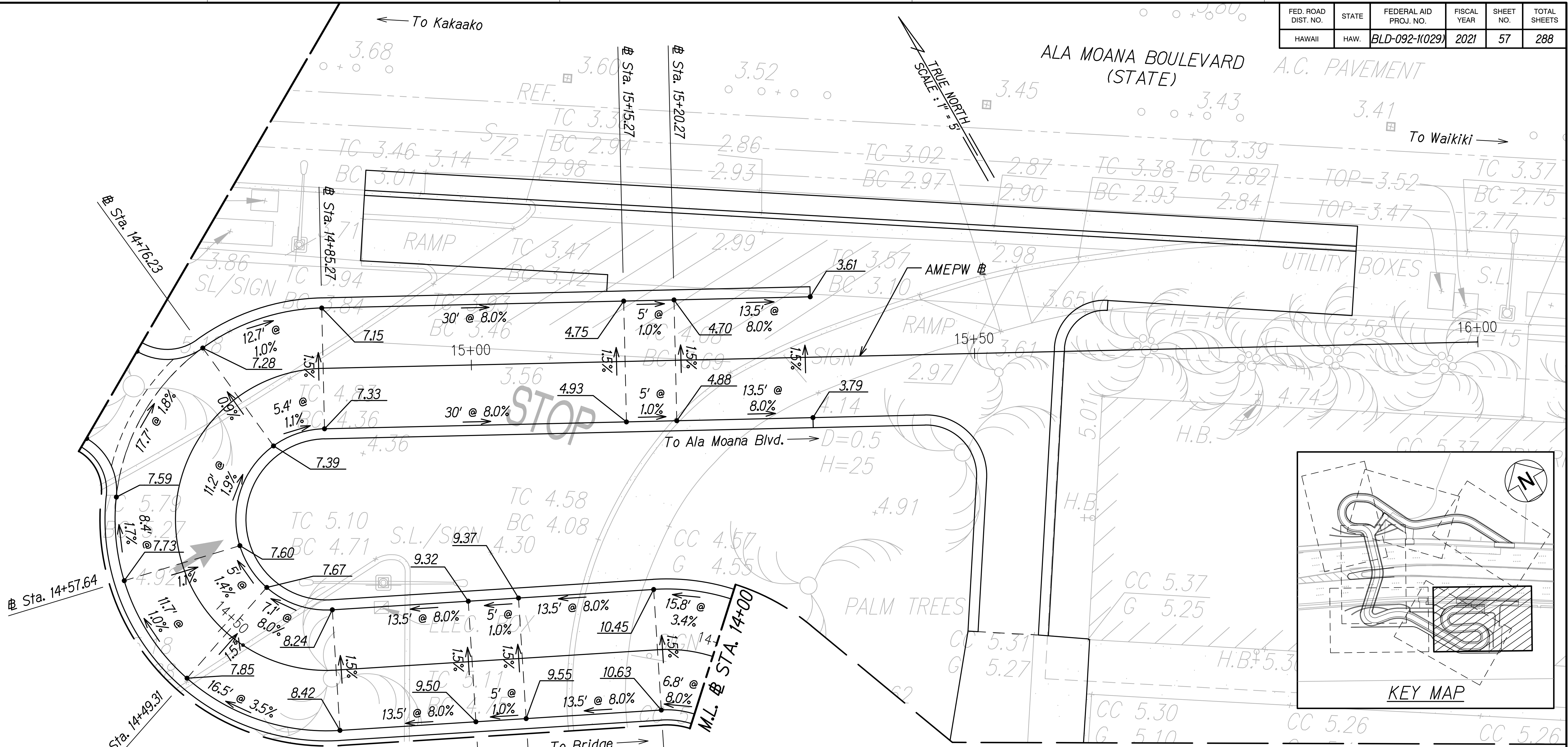
**ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY**  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=5'      Date: June 2021

SHEET No. CE-6 OF 7 SHEETS



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	57	288



PLAN  
Scale: 1"=5'

DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Randall M. Urasak*

SIGNATURE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SPOT ELEVATION PLAN**

**ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY**  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=5'      Date: June 2021

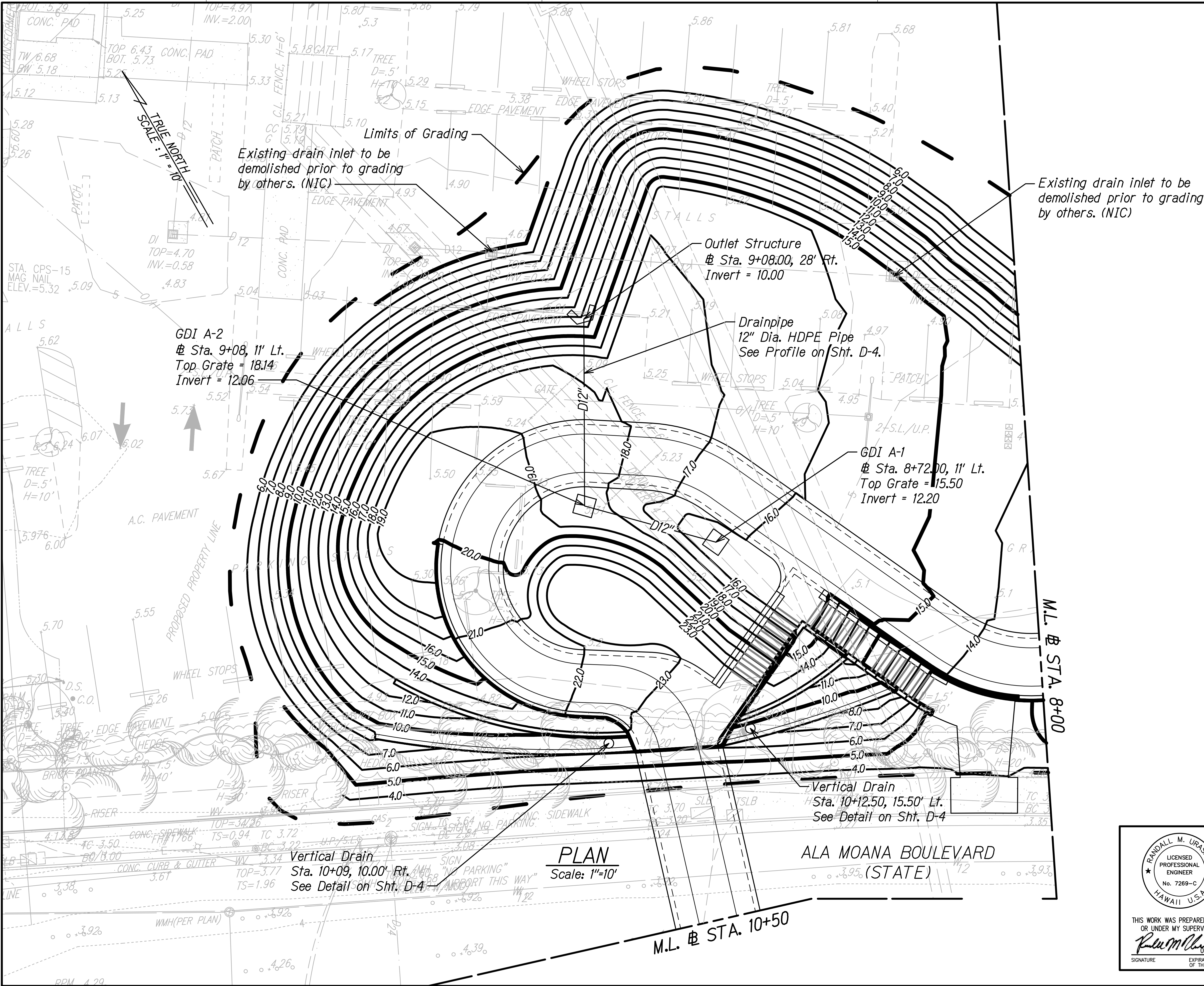






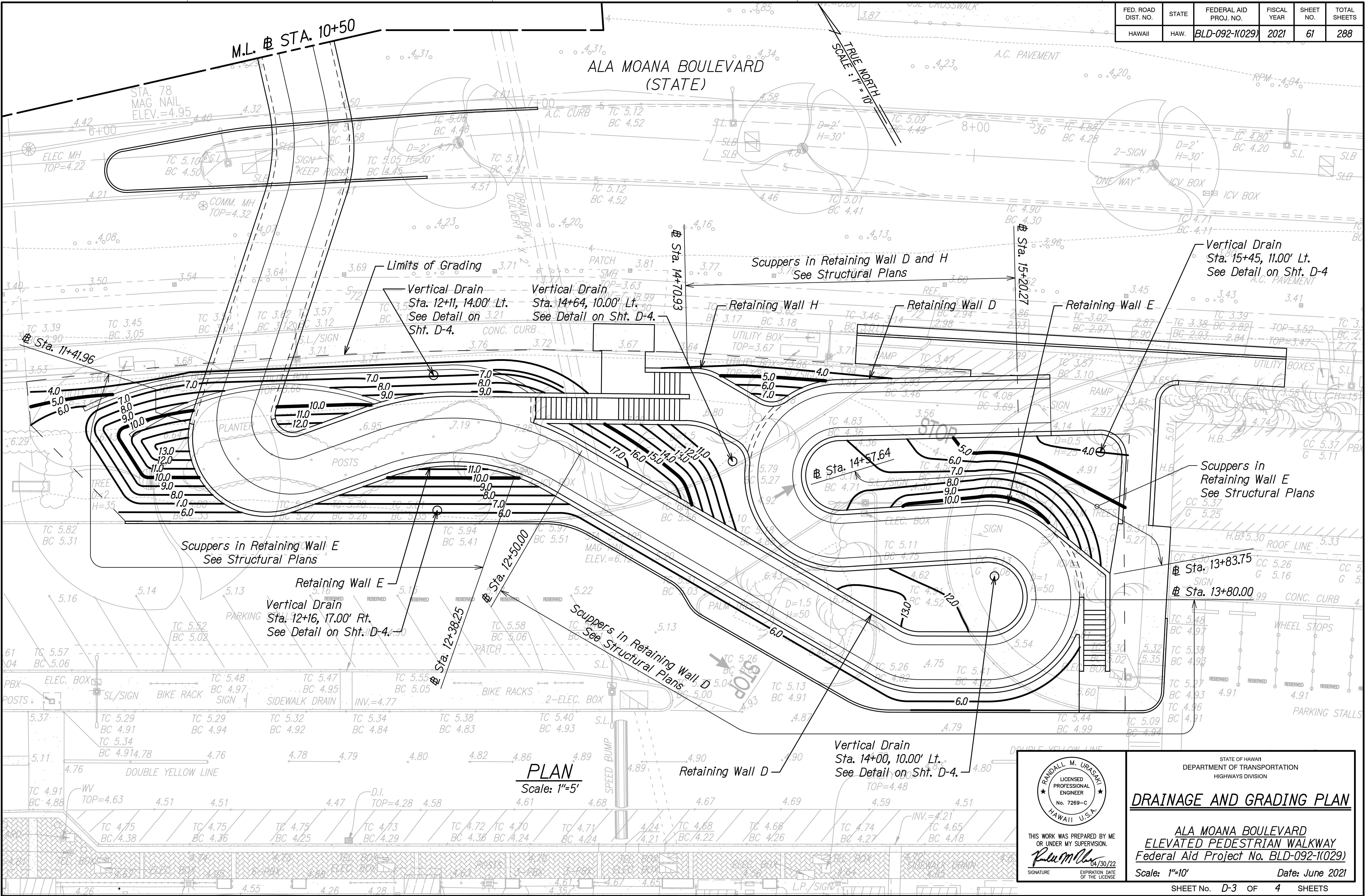


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	60	288





FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	61	288



DATE	_____
SURVEY PLOTTED BY	_____
ORIGINAL PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

**PLAN**  
Scale: 1"=5'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DRAINAGE AND GRADING PLAN

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DRAINAGE AND GRADING PLAN

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DRAINAGE AND GRADING PLAN

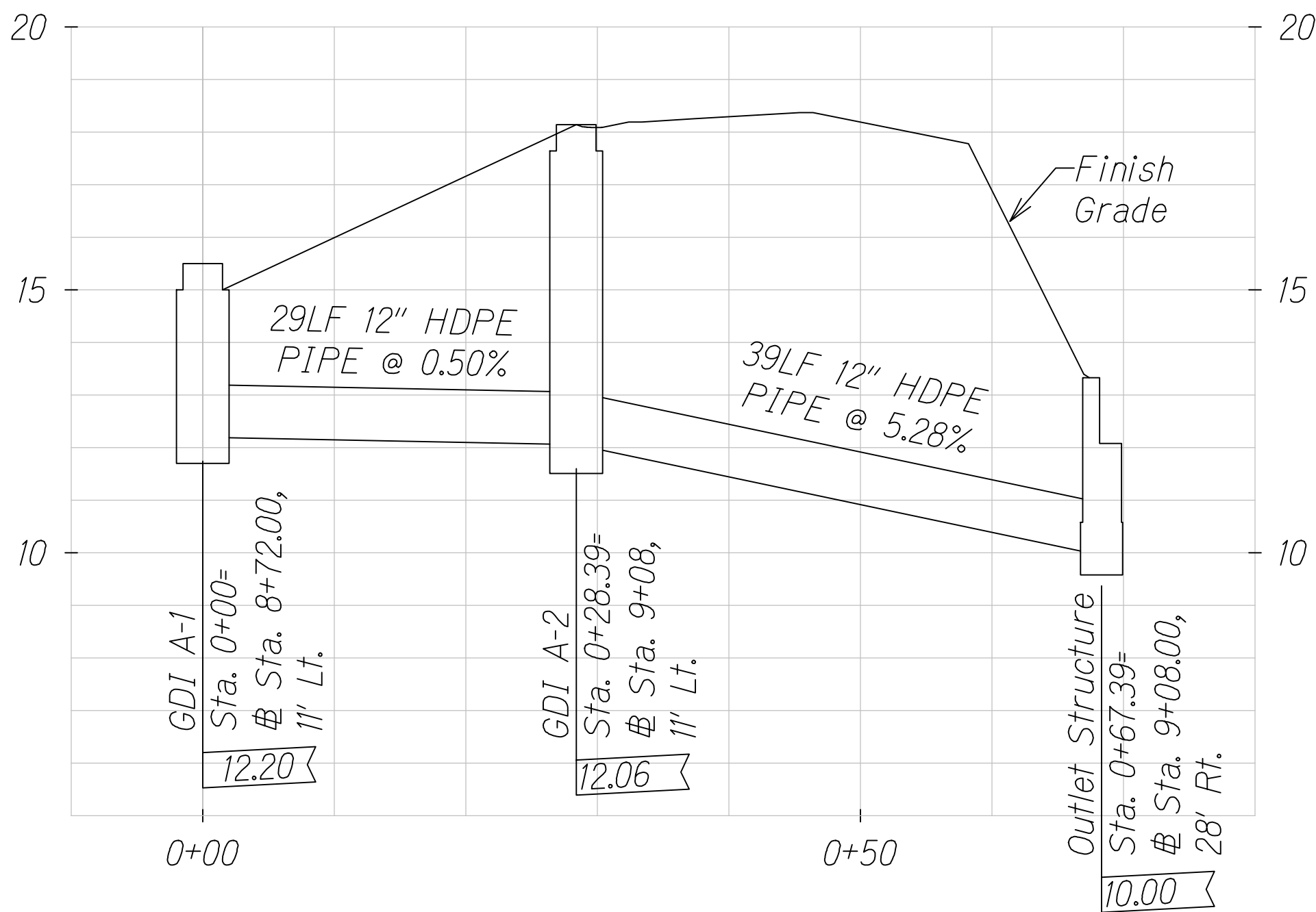
ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: 1"=10'      Date: June 2021

SHEET No. D-3 OF 4 SHEETS

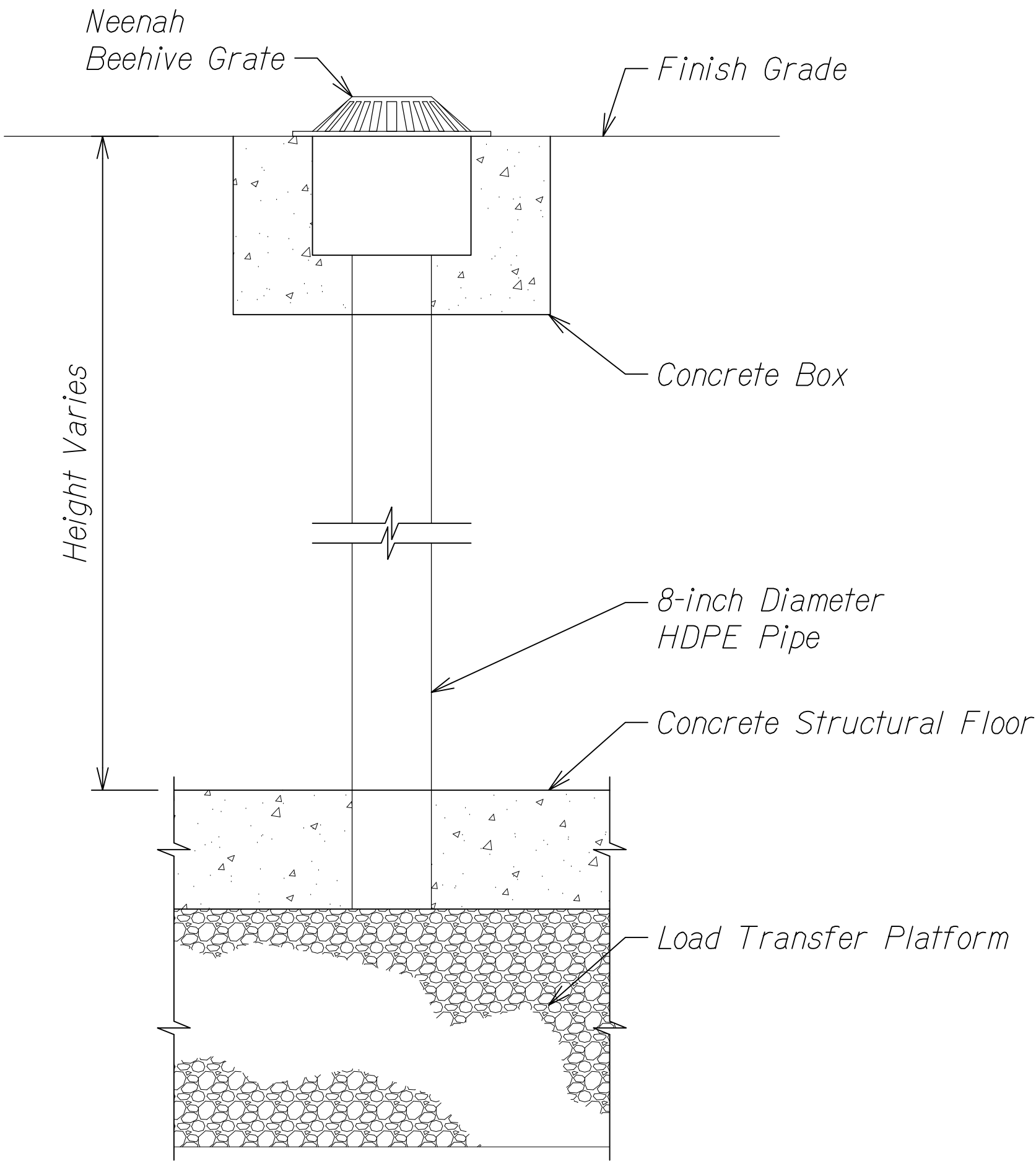
61

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	62	288



DRAINAGE PIPE PROFILE

Horiz: 1"=40'  
Vert: 1"=4'



VERTICAL DRAIN

Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED	DRAWN BY	.
DESIGNED BY	CHECKED BY	.
QUANTITIES BY		.
N.		.

RANDALL M. URASAKI

LICENSED PROFESSIONAL ENGINEER

No. 7269-C

HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE

04/30/22

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

DRAINAGE PROFILE

& DETAILS

ALA MOANA BOULEVARD

ELEVATED PEDESTRIAN WALKWAY

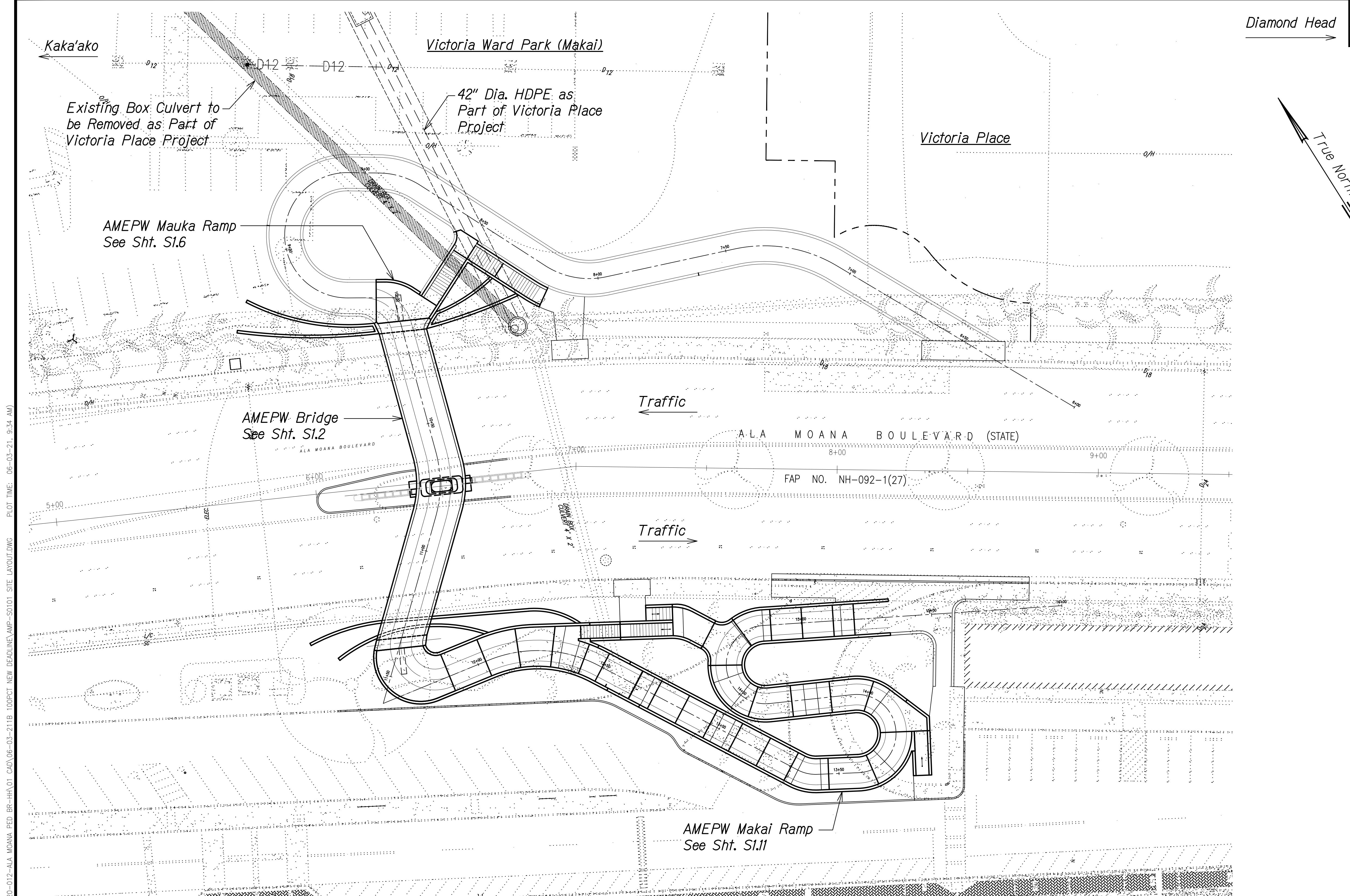
Federal Aid Project No. BLD-092-1(029)

Scale: As Shown

Date: June 2021



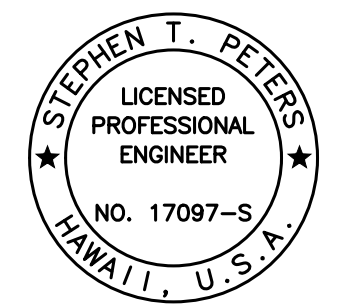
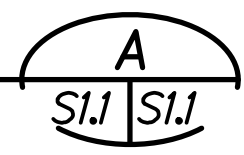
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	119	288



DRAWING NAME: Z:\00 ONGOING\00 CB PROJECTS\20-012-ALA MOANA PED BR-HR\01 CAD\06-03-21\100PCT NEW DEADLINE\AMP-50101 SITE LAYOUT.DWG PLOT TIME: 06-03-21, 9:34 AM

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
No.	_____

**WALKWAY LAYOUT PLAN**  
Scale: 1" = 20'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Stephen Peters*  
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-22

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**WALKWAY LAYOUT PLAN**

**ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)**

Scale: As Noted Date: June 2021

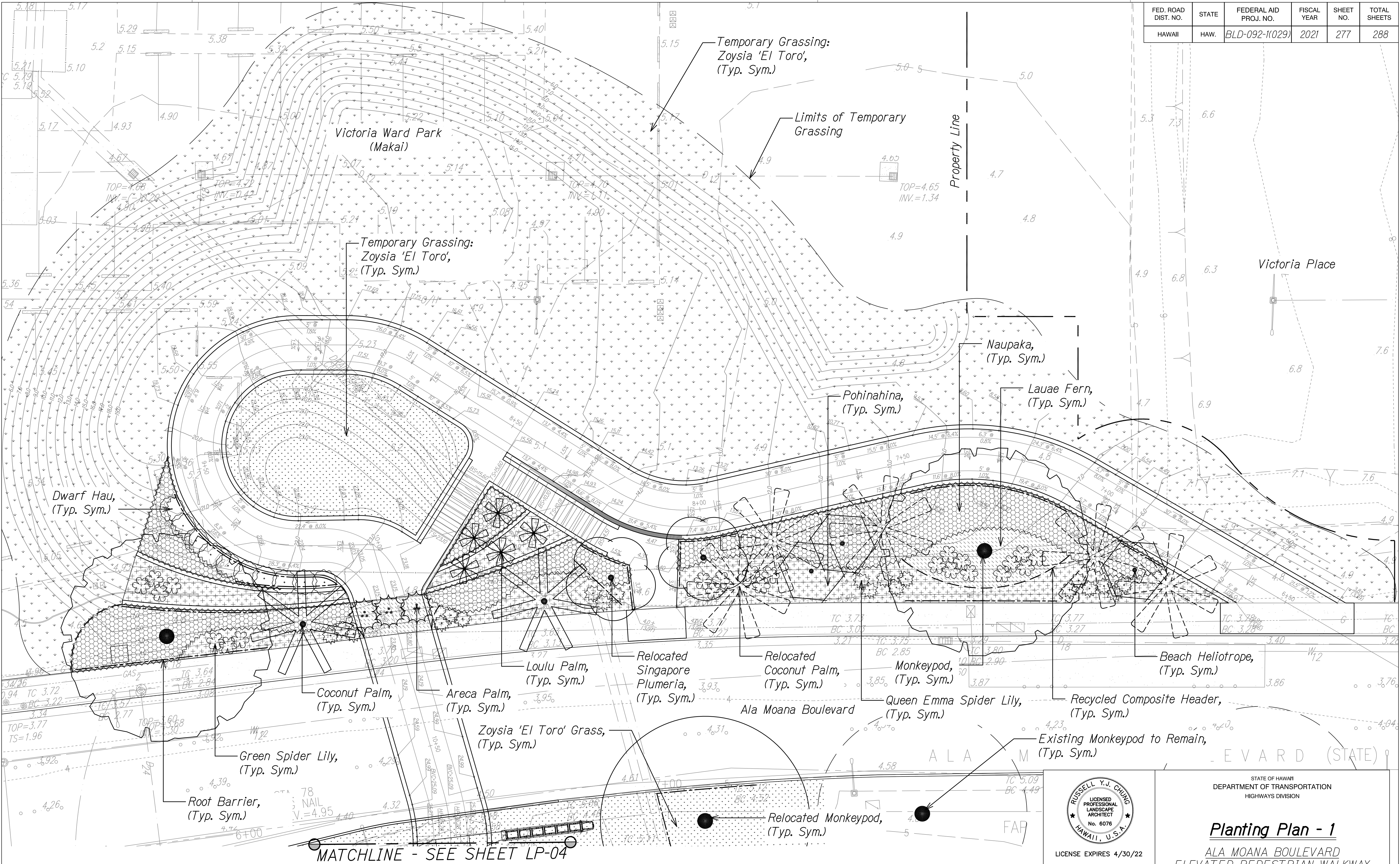
SHEET No. **119** OF 19 SHEETS





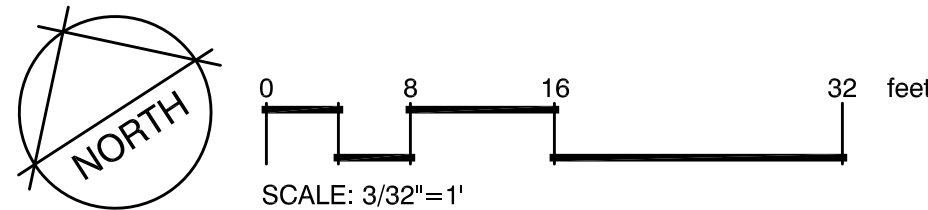


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	277	288



DATE	.....
SURVEY PLOTTED BY	.....
ORIGINAL PLAN	.....
TRACED BY	.....
NOTE MADE	.....
QUANTITIES BY	.....
CHECKED BY	.....

**Planting Plan - 1**  
Scale: 3/32"=1'



**RUSSELL Y.J. CHUNG**  
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT  
No. 6076  
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/22

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**Planting Plan - 1**

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

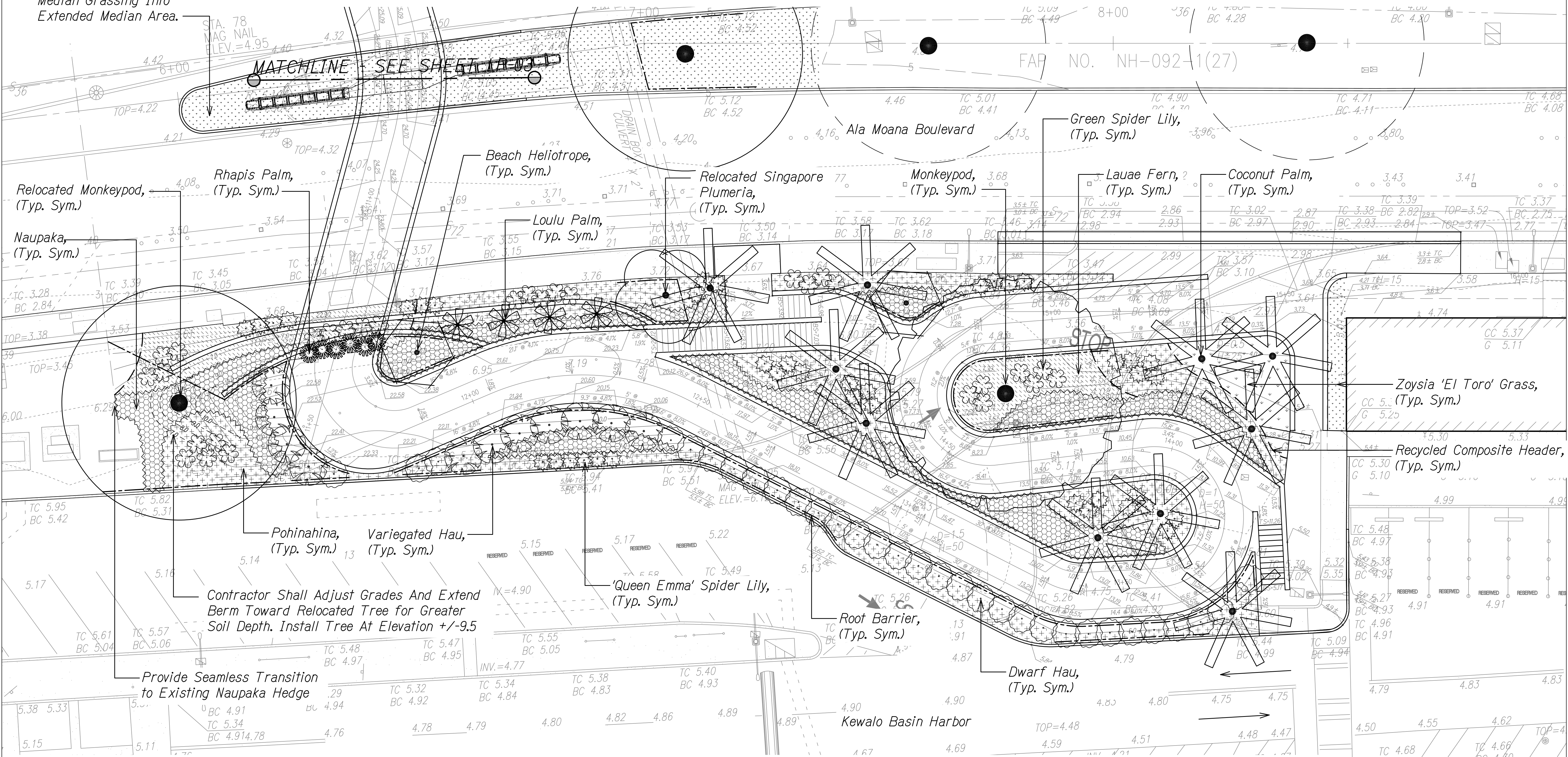
Scale: As Shown Date: June 2021

SHEET No. LP-03 OF 8 SHEETS



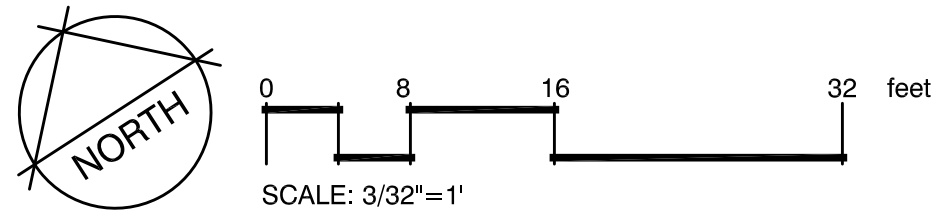
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	278	288

Contractor Shall  
Expand Existing  
Median Grassing Into  
Extended Median Area.



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
IN CHARGE	_____

**Planting Plan - 2**  
Scale: 3/32"=1'



RUSSELL Y.J. CHUNG  
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT  
No. 6076  
HAWAII, U.S.A.

LICENSE EXPIRES 4/30/22

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*[Signature]*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**Planting Plan - 2**

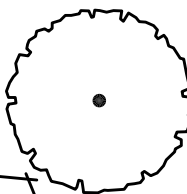
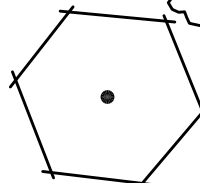
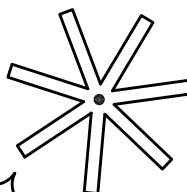
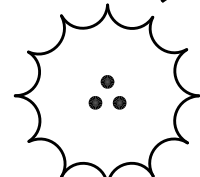
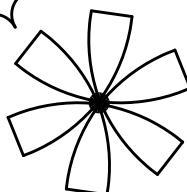
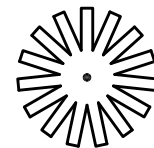
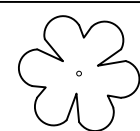
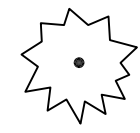
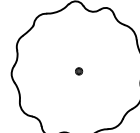
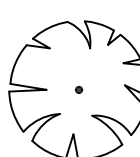
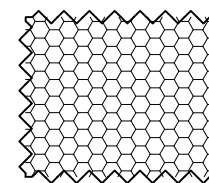
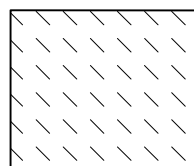
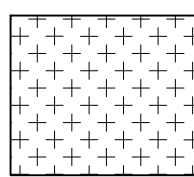
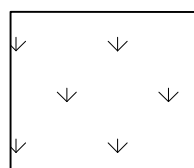
ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: As Shown Date: June 2021

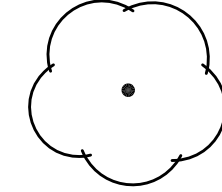
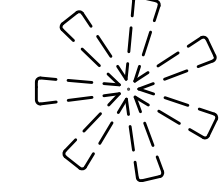
SHEET No. LP-04 OF 8 SHEETS



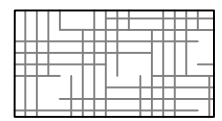
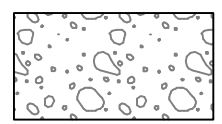
PLANT SCHEDULE:

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	HEIGHT	REMARKS
	3	SAMANEA SAMAN	MONKEYPOD TREE	FIELD STOCK	12" CAL. MINIMUM		
	5	TOURNEFORTIA ARGENTEA	BEACH HELIOTROPE	FIELD STOCK	2" MIN. CAL.	6'-8' HT.	BUSHY; WELL-BRANCHED
PALMS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	HEIGHT	REMARKS
	12	COCOS NUCIFERA	COCONUT PALM	FIELD STOCK		15'-25' BROWN TRUNK HEIGHT	
	3	DYPsis LUTESCENS	ARECA PALM	30 GAL.			BUSHY
	9	PRITCHARDIA HILLEBRANDII	LOULU PALM	FIELD STOCK		6'-8' CLEAR TRUNK HEIGHT	
	6	RHAPIS EXCELSA	RHAPIS PALM	10 GAL			BUSHY; 4 CANES PER POT MIN.
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS	
	53	CRINUM AMABILE	GREEM SPIDER LILY	3 GAL	AS SHOWN	BUSHY, FREE OF RUST	
	61	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA SPIDER LILY	3 GAL	AS SHOWN	BUSHY, FREE OF RUST	
	42	HIBISCUS TILIACEUS 'DWARF'	DWARF HAU	5 GAL	48" O.C.	BUSHY	
	11	HIBISCUS TILIACEUS 'TRICOLOR'	VARIEGATED HAU	15 GAL	AS SHOWN	BUSHY; WELL-BRANCHED	
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS	
	530	SCAEVOLA TACCADA	BEACH NAUPAKA	1 GAL	36" o.c.	BUSHY, TRIANGULAR-SPACING	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS	
	1,400 SF	MICROSORUM GROSSUM	LAUAE FERN	6" POTS	12" o.c.	TRIANGULAR SPACING	
	4,500 SF	VITEX ROTUNDIFOLIA	POHINAHINA	6" POTS	18" o.c.	TRIANGULAR SPACING	
GRASS	QTY	BOTANICAL NAME	COMMON NAME	SIZE			
	22,150 SF	ZOYSIA JAPONICA 'EL TORO'	EL TORO ZOYSIA GRASS	HYDROSPRIG			

RELOCATED TREES AND PALMS SCHEDULE:

RELOCATED TREES AND PALMS	QTY	BOTANICAL NAME	COMMON NAME
	2	SAMANEA SAMAN	MONKEYPOD TREE
	3	PLUMERIA OBTUSA	SINGAPORE PLUMERIA
	5	COCOS NUCIFERA	COCONUT PALM

MISC. LANDSCAPE MATERIALS SCHEDULE:

SYMBOL	DESCRIPTION	QTY
---	1"x6" RECYCLED COMPOSITE LANDSCAPE EDGING: TREX OR APPROVED EQUAL.	200 LF
—	24" WIDE ROOT BARRIER: DEEPROOT UB 24-2 OR APPROVED EQUAL.	960 LF
	4" LAYER IMPORTED SCREENED TOPSOIL: SEE PLANTING SOILS PLAN FOR LOCATION.	375 CY
	LIGHTWEIGHT SOIL MIX: 30" DEPTH MIN. SEE PLANTING SOILS PLAN FOR LOCATION. BANK UP TOWARD RETAINING WALLS PER CIVIL GRADING PLANS.	800 CY
	2" LAYER BARK MULCH: INSTALL OVER ALL SHRUB AND GROUND COVER AREAS.	80 CY

ORIGINAL PLAN

SURVEY PLOTTED BY

DATE

NOTED BY

DESIGNED BY

QUANTITIES BY

CHECKED BY

No.

RUSSELL Y.J. CHUNG


LICENSED PROFESSIONAL LANDSCAPE ARCHITECT

No. 6076

HAWAII, U.S.A.

LICENSE EXPIRES 4/30/22

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

Landscape Schedules

ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)

Scale: As Shown      Date: June 2021

SHEET No. LP-05 OF 8 SHEETS





FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	281	288

Top Of Root Ball Shall Be Flush w/ Finish Grade And Trunk Flare Shall Be Visible. If Trunk Flare Is Not Visible, Tree Shall Be Rejected. Roughen Side Of Root Ball. Remove Roots Girdling The Trunk. Scarify Rootball.

Ten (10) Slow Release Planting Tablets (21 Grams, 20-10-5)

Backfill Mixture: Amend Per Soil Test

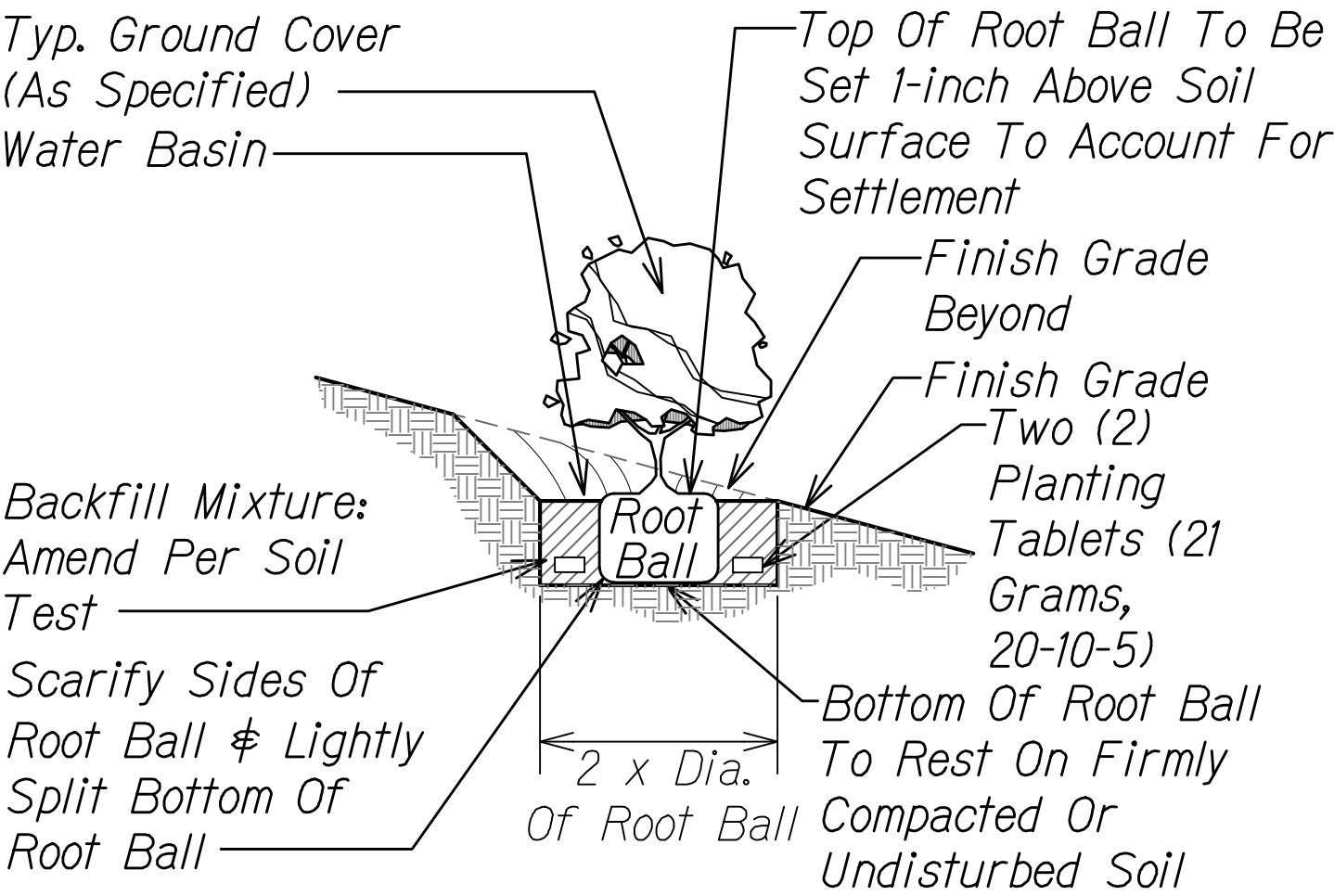
**Note:**  
Trunk must be protected from rope sling burns and abrasions during moving. tree shall be plumb. If tree is leaning at the end of the plant establishment period, the tree shall be replaced at the Contractor's expense.

**TREE PLANTING ON SLOPE**

Scale: Not to Scale

1  
LP-07/LP-07

- Notes:**
- Ground covers shall be plumb. If ground cover Is leaning at the end of the plant establishment period, it shall be replaced at the contractor's expense.
  - Immediately after planting, water heavily to ensure soil settles around roots.

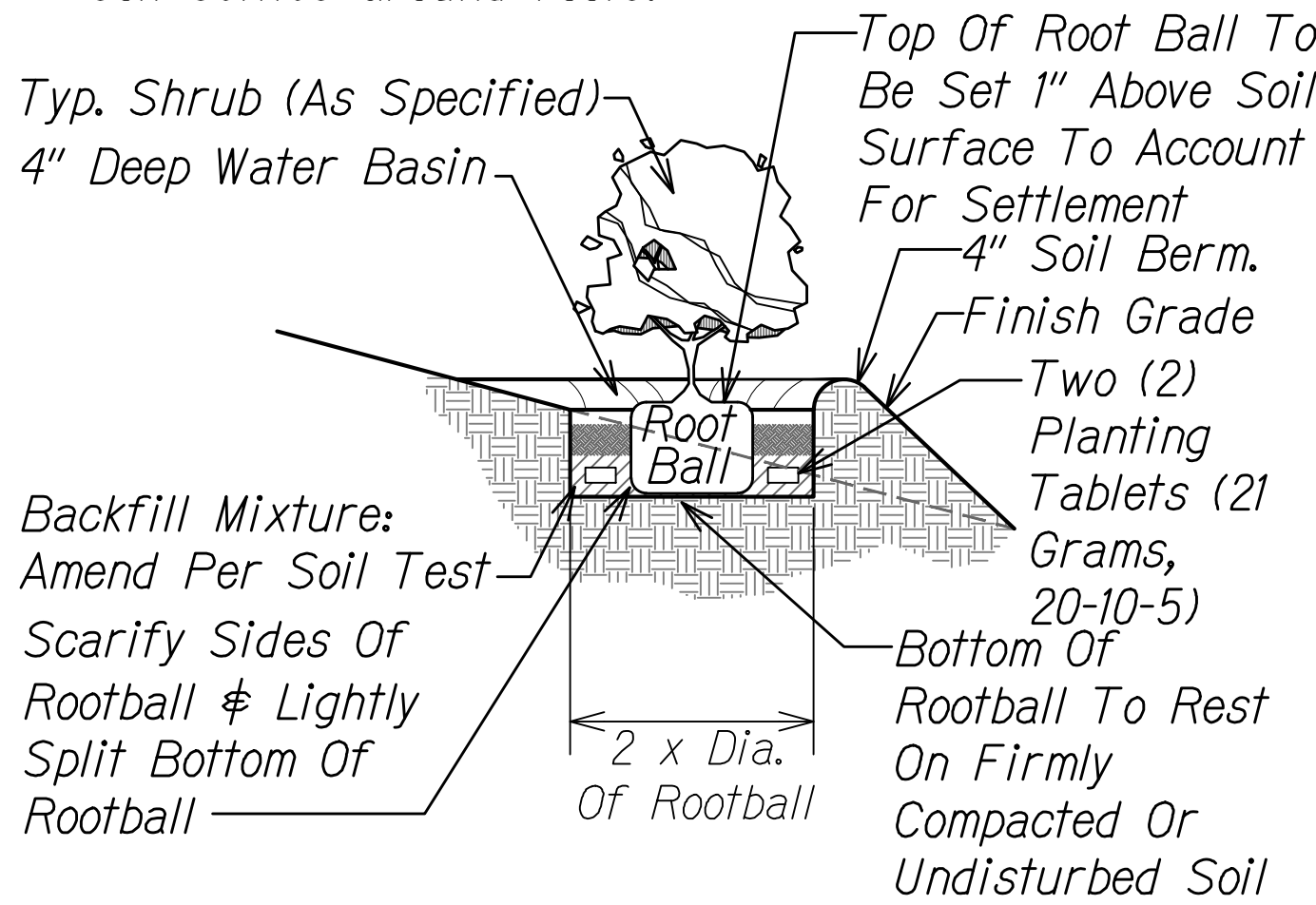


**GROUND COVER PLANTING ON SLOPE**

Scale: Not to Scale

3  
LP-07/LP-07

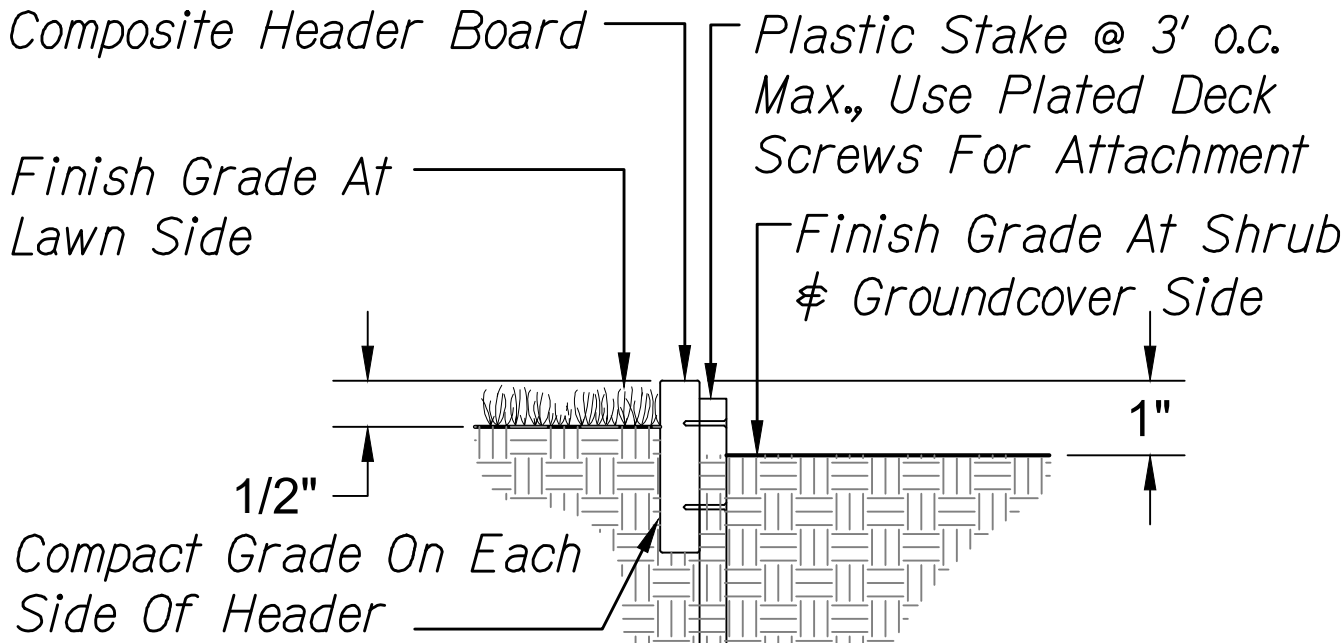
- Notes:**
- Single stem shrubs shall be plumb. If shrub is leaning at the end of the plant establishment period, it shall be replaced at the Contractor's expense.
  - Immediately after planting, water heavily to ensure soil settles around roots.



**SHRUB PLANTING ON SLOPE**

Scale: Not to Scale

2  
LP-07/LP-07



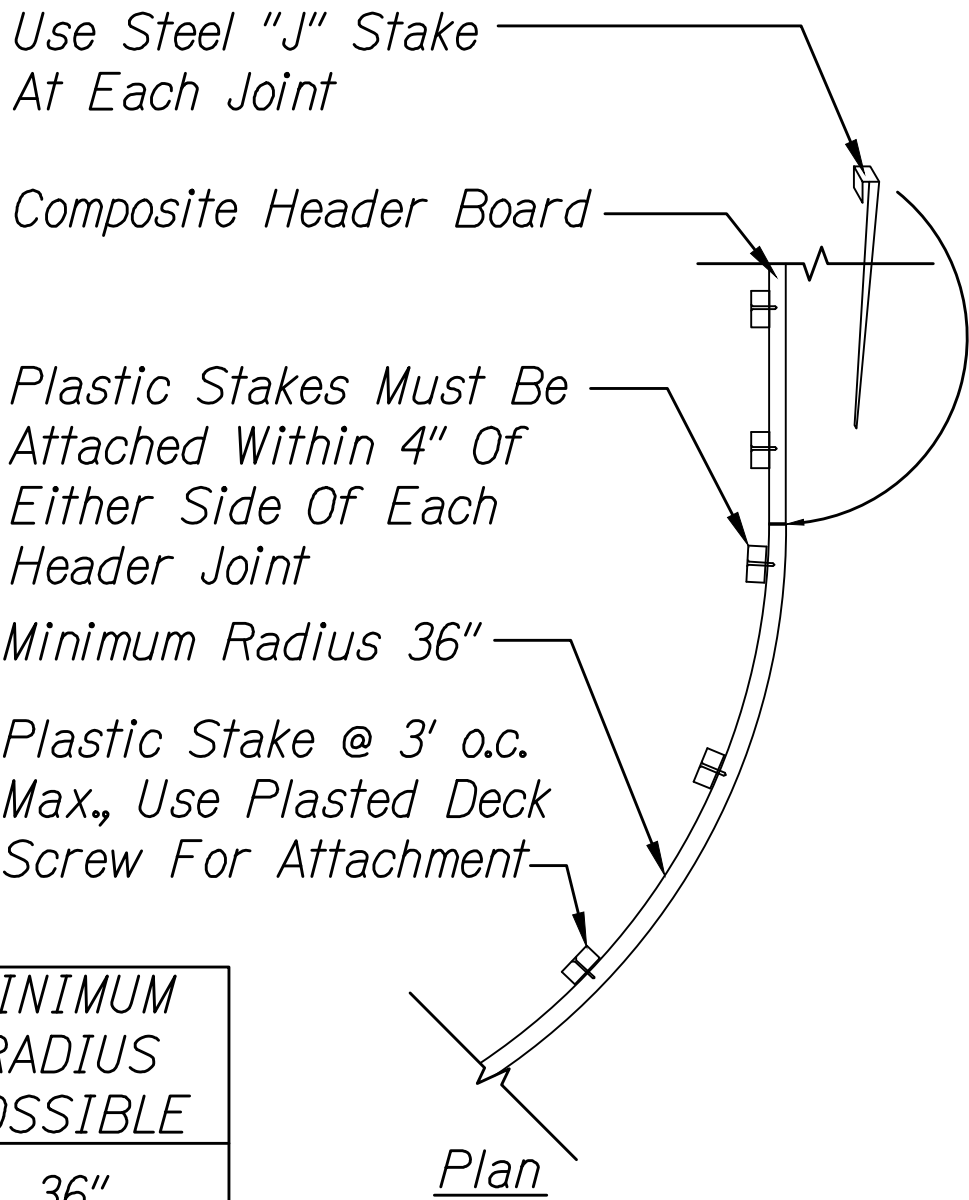
- Notes:**
- Install Per Manufacturer's Instructions.
  - Color To Be Chosen By Landscape Architect From Manufacturer's Full Line Of Colors.

HDR. SIZE	ACTUAL DIMENSIONS	MINIMUM RADIUS POSSIBLE
1X6	5-7/16"x9/16"x20"	36"

**RECYCLED COMPOSITE HEADER**

Scale: Not to Scale

4  
LP-07/LP-07



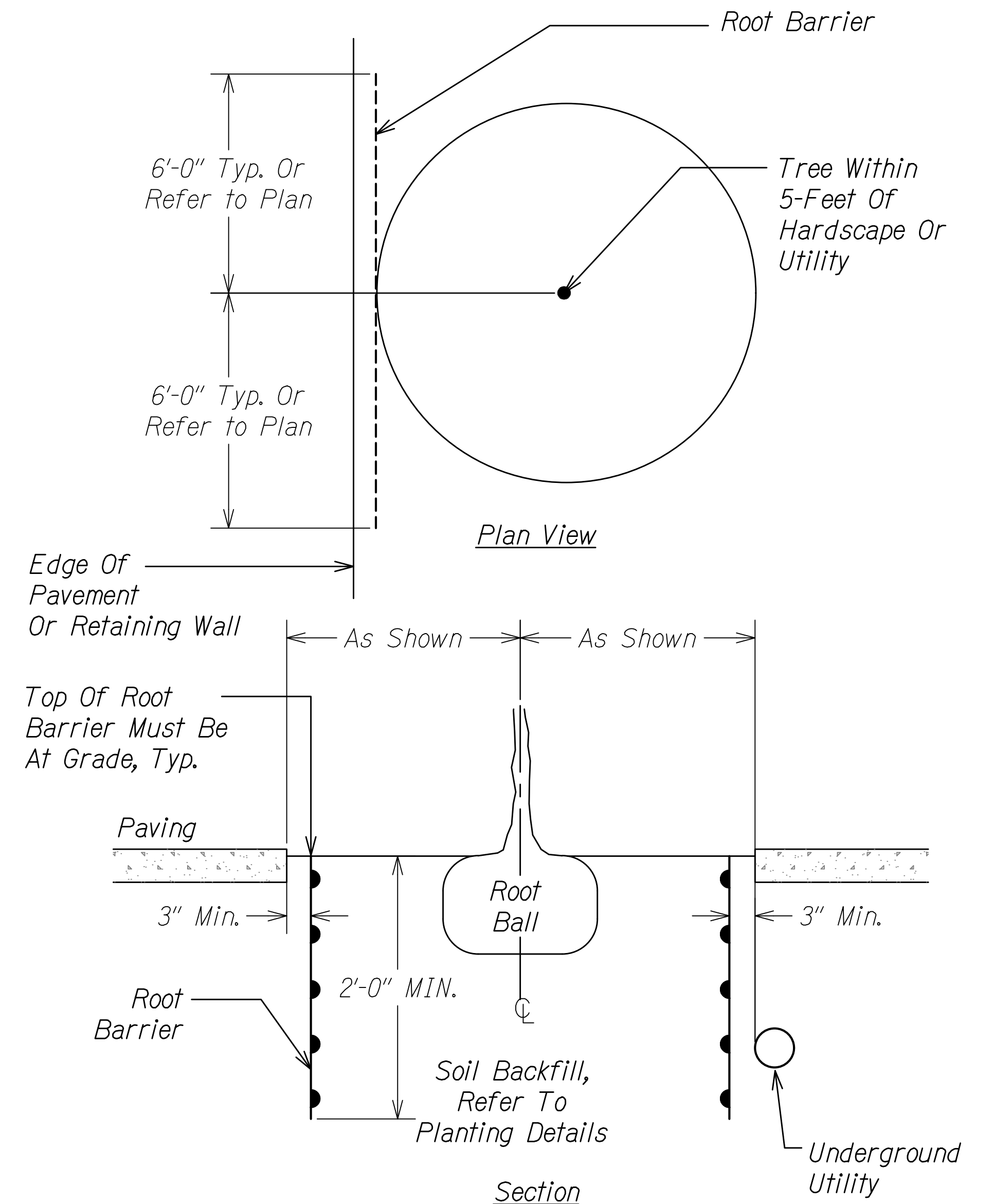
**RUSSELL Y.J. CHUNG**  
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT  
No. 6076  
HAWAII, U.S.A.  
LICENSE EXPIRES 4/30/22  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**Planting Details - 2**  
ALA MOANA BOULEVARD  
ELEVATED PEDESTRIAN WALKWAY  
Federal Aid Project No. BLD-092-1(029)  
Scale: As Shown Date: June 2021  
SHEET No. LP-07 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BLD-092-1(029)	2021	282	288

Notes:

1. Place top edge of plastic root barrier at finish grade and secure w/ manufacturer provided pins.
2. Seams shall have minimum 3" overlap. Refer to manufacturer instructions for bonding the seam.
3. Do not allow gaps in barrier during installation or backfilling.
4. Refer to planting plan for tree locations.

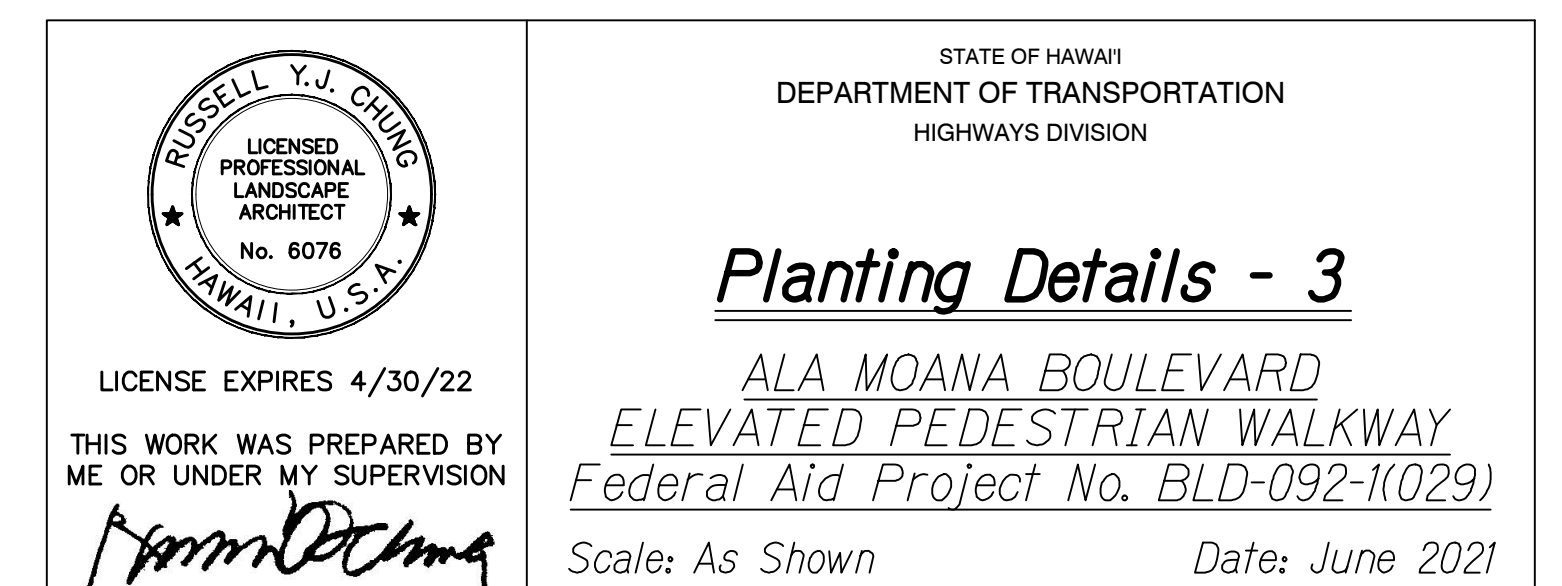


ROOT BARRIER

*Scale: Not to Scale*



1  
LP-08 | LP-08

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
	CHECKED BY _____	" _____
N. _____		





[illegible]

Ala Moana Boulevard Elevated Pedestrian Walkway																																						
ID	ID		% Comple	Task Name	Duration	Start	Finish	Predecessors																														
24	24		0%	Retaining Wall A & C - Shotcrete and Final Facing	20 days	Thu 12/29/22	Wed 1/25/23	21	January B	April M	July E	October B	January M	April E	July B	October M	January E	April B	July M	October E	January B	April M	July E	October B	January M	April E	July B	October M	January E	April B	July M	October E	January B	April M	July E	October B		
25	25		0%	Construct Retaining Wall B	20 days	Thu 1/26/23	Wed 2/22/23	24																														
26	26		0%	Construct Drainage System	5 days	Thu 12/22/22	Wed 12/28/22	21FF																														
27	27		0%	Install Electrical Conduits and Irrigation Pipes	10 days	Thu 12/29/22	Wed 1/11/23	21																														
28	28		0%	Install Rock Facing	40 days	Thu 2/23/23	Wed 4/19/23	24,25																														
29	29		0%	Place Aggregate Base	15 days	Thu 1/12/23	Wed 2/1/23	26,27																														
30	30		0%	Construct Stairs	20 days	Thu 2/2/23	Wed 3/1/23	29																														
31	31		0%	Pour Sidewalks	30 days	Thu 2/2/23	Wed 3/15/23	29																														
32	32		0%	Install Handrails	20 days	Thu 3/16/23	Wed 4/12/23	31,30																														
33	33		0%	Final Grading	15 days	Thu 2/23/23	Wed 3/15/23	25																														
34	34		0%	Install Electrical/Lighting & Testing	40 days	Thu 3/16/23	Wed 5/10/23	33																														
35	35		0%	Install Irrigation & Testing	20 days	Thu 3/16/23	Wed 4/12/23	33																														
36	36		0%	Place Top Soil	10 days	Thu 5/11/23	Wed 5/24/23	34,35,33																														
37	37		0%	Install Landscaping	30 days	Thu 5/25/23	Wed 7/5/23	36																														
38	38		0%	Mauka Area Complete	0 days	Wed 7/5/23	Wed 7/5/23	37,32,28																														
39	39		0%	CONSTRUCTION PARCEL C-1 (VACATE by FINISH DATE)	537 edays	Sun 1/9/22	Fri 6/30/23	1																														
40	40		0%	Makai Area	515 days	Sun 1/9/22	Sun 12/31/23																															
41	41		0%	Install Drilled Shafts	30 days	Thu 5/5/22	Wed 6/15/22	10FS+5 edays																														
42	42		0%	Install Jet Grout Columns	70 days	Thu 6/16/22	Wed 9/21/22	41																														
43	43		0%	Construct Pile Cap	20 days	Thu 6/16/22	Wed 7/13/22	41																														
44	44		0%	Construct Load Transfer Platform	20 days	Thu 9/22/22	Wed 10/19/22	42																														
45	45		0%	Place GRS at Abutment with Abutment Wall Construction	20 days	Thu 7/14/22	Wed 8/10/22	43																														
46	46		0%	Shotcrete GRS faces	5 days	Thu 8/11/22	Wed 8/17/22	45																														
47	47		0%	Construct U-shaped Retaining Walls	90 days	Thu 10/20/22	Wed 2/22/23	44																														
Project: Ala Moana Boulevard Elevated Pedestrian Walkway Date: Wed 5/12/21				<div><div>Task</div><div>Split</div><div>Milestone</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>External Milestone</div><div>Deadline</div><div>Critical</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div> <div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div> <div><div><div></div></div><div><div></div></div><div><div></div></div></div>																																		
Page 2																																						



Ala Moana Boulevard Elevated Pedestrian Walkway																																						
ID	ID		% Comple	Task Name	Duration	Start	Finish	Predecessors																														
48	48		0%	Place Light weight fill within U-shaped Retaining Walls	20 days	Thu 2/23/23	Wed 3/22/23	47																														
49	49		0%	Install Electrical Conduits and Irrigation Pipes	10 days	Thu 3/23/23	Wed 4/5/23	48																														
50	50		0%	Place Aggregate Base	15 days	Thu 4/6/23	Wed 4/26/23	49																														
51	51		0%	Pour Sidewalks	30 days	Thu 4/27/23	Wed 6/7/23	50																														
52	52		0%	Construct Stairs	20 days	Thu 4/27/23	Wed 5/24/23	50																														
53	53		0%	Install Handrails	20 days	Thu 6/8/23	Wed 7/5/23	51,52																														
54	54		0%	Place Landscaping Fill	10 days	Thu 3/23/23	Wed 4/5/23	48																														
55	55		0%	Install Retaining Wall Final Facing	20 days	Thu 3/23/23	Wed 4/19/23	48																														
56	56		0%	Install Electrical/Lighting & Testing	40 days	Thu 4/27/23	Wed 6/21/23	50																														
57	57		0%	Install Irrigation & Testing	20 days	Thu 4/27/23	Wed 5/24/23	50																														
58	58		0%	Install Landscaping	30 days	Thu 4/6/23	Wed 5/17/23	54																														
59	59		0%	Makai Area Complete	1 day	Thu 7/6/23	Thu 7/6/23	58,56,57,53,55																														
60	60		0%	CONSTRUCTION PARCELS C-3, C-4, & C-5 (VACATE by FINISH DATE)	721 edays	Sun 1/9/22	Sun 12/31/23	1																														
61	61		0%	Middle Pier & Superstructure	203 days	Thu 9/22/22	Mon 7/3/23																															
62	62		0%	Install Drilled Shafts	45 days	Thu 9/22/22	Wed 11/23/22	42																														
63	63		0%	Construct Pile Cap	33 days	Thu 11/24/22	Mon 1/9/23	62																														
64	64		0%	Construct Center Pier	70 days	Tue 1/10/23	Mon 4/17/23	63																														
65	65		0%	SuperStructure - Deck	45 days	Tue 1/10/23	Mon 3/13/23	63,45,13																														
66	66		0%	SuperStructure - Parapet/Railings	45 days	Tue 3/14/23	Mon 5/15/23	65																														
67	67		0%	SuperStructure - Lighting	15 days	Tue 3/14/23	Mon 4/3/23	65																														
68	68		0%	Superstructure - Deck Finish Surface	25 days	Tue 5/16/23	Mon 6/19/23	66																														
69	69		0%	Construct Median Curb	20 days	Tue 4/18/23	Mon 5/15/23	64																														
70	70		0%	Construct Impact Attenuators	30 days	Tue 5/16/23	Mon 6/26/23	69																														
71	71		0%	Finish work and grassing	5 days	Tue 6/27/23	Mon 7/3/23	70,68																														

Project: Ala Moana Boulevard  
Elevated Pedestrian Walkway  
Date: Wed 5/12/21

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Critical

Critical Split

Progress

Manual Progress

Page 3

[illegible]